



Submitted Date: 9/22/2010 11:25:12 AM

Easygrants ID: 379

Funding Opportunity: Category Two	Applicant Organization: Tuolumne River Preservation Trust
Task: Submit Application Non-EO	Applicant Name: Mr. Patrick Koepele



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Task: Submit Application Non-EO	Applicant Name: Mr. Patrick Koepele

PROJECT CONTACT INFORMATION	
Name	Mr. Patrick Koepele,
Title	
Organization	Tuolumne River Preservation Trust
Primary Address	, , , , ,
Primary Phone/Fax	209-588-8636 Ext.
Primary Email	patrick@tuolumne.org

Name	Mr. Patrick Koepele,
Title	
Organization	Tuolumne River Preservation Trust
Primary Address	, , , , ,
Primary Phone/Fax	209-588-8636 Ext.
Primary Email	patrick@tuolumne.org



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PROJECT INFORMATION	
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Project Title	Upper Tuolumne and Stanislaus Watersheds Meadows Restoration
Brief Description	The overall goal of the project is to restore and improve conditions of meadows in the Upper Tuolumne and Stanislaus Watersheds. The specific goals of this phase of the project are: 1) to complete all regulatory requirements and designs needed to implement meadow restoration in four meadows on the Stanislaus National Forest (STF); and 2) to complete background literature and data review, limited field work, and an initial analysis of meadow conditions throughout the upper Tuolumne and Stanislaus Watersheds in support of the development of a Tuolumne-Stanislaus Integrated Regional Water Management Plan (IRWMP), currently under development.
Total Requested Amount	151,156.00
Other Fund Proposed	141,750.00
Total Project Cost	292,906.00
Project Category	Pre-Project Due Diligence
Project Area/Size	N/A
Project Area Type	Not Applicable
Have you submitted to SNC this fiscal year?	No
Is this application related to other SNC funding?	No

Project Results

CEQA/NEPA Compliance



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Project Purpose	Project Purpose Percent
Habitat	

County
Tuolumne

Sub Region
South Central



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PROJECT OTHER CONTACTS INFORMATION

Other Grant Project Contacts

Name:	Mr. Patrick Koepele,
Project Role:	Authorized Representative
Phone:	2095888636
Phone Ext:	
E-mail:	patrick@tuolumne.org

Name:	Mr. Patrick Koepele,
Project Role:	Day-to-Day Responsibility
Phone:	2095888636
Phone Ext:	
E-mail:	patrick@tuolumne.org

Name:	Mr. Craig Pedro,
Project Role:	County Administration
Phone:	0000000
Phone Ext:	
E-mail:	cao@tuolumnecounty.ca.gov

Name:	district Tuolumne Utilities,
Project Role:	Water Agency 1 Contact
Phone:	2095325536
Phone Ext:	
E-mail:	pkampa@tuolumneutilities.com



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PROJECT LOCATION INFORMATION

Project Location

Address: Stanislaus National Forest, Groveland Ranger District, ,
Groveland, CA, 95321 United States
Water Agency: Tuolumne Utilities District
Latitude: 38.049.638N
Longitude: 120.139.959W
Congressional District: na
Senate: na
Assembly: na
Within City Limits: No
City Name:



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PROJECT BUDGET INFORMATION

Direct

Description	Num of Units	Per Unit Cost	Total
Staff - Deputy Director	574	39.51	22,678.74
Staff - Sonora Area Program Associate	2058	22.35	45,996.30
TravelMeeting expense	4800	.50	2,400.00
Contracts/Consultants - Monitoring & Assessment (STF)	1	10,050.00	10,050.00
Contracts/Consultants - Surveys & Design NEPA	1	16,000.00	16,000.00
Contracts/Consultants - Compliance & Doc. (CEQA)	1	7,300.00	7,300.00
Contracts/Consultants - Wetland Delineation	1	3,900.00	3,900.00
Related Supplies	1	3,600.00	3,600.00



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Monitoring & Assessment Equip.	1	4,300.00	4,300.00
Permits & Other Related Fees	1	1,131.00	1,131.00

Total Direct	117,356.04
Direct Detail	

Indirect

Description	Num of Units	Per Unit Cost	Total
Staff - Executive Director	94	43.52	4,090.88
Staff - Finance & Administration Director	94	28.84	2,710.96
Printing, Postage, Communications	1	2,289.00	2,289.00
Performance Measure reporting - Deputy Director	50	39.51	1,975.50
Perf. Measure reporting - Sonora Area Program Assoc.	135	22.35	3,017.25

Total Indirect	14,083.59
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Indirect Detail	
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Administrative

Description	Num of Units	Per Unit Cost	Total
Overhead & General Administration at 15%	1	19,715.94	19,715.94

Total Administrative	19,715.94
Administrative Detail	Overhead & general administration at 15%.

Budget Grant Total: 151,155.57



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PROJECT OTHER SUPPORT INFORMATION

Other Support for the Sierra Nevada

Type :	Project Funds Other
Estimated Amount:	98,030.00
Estimated Volunteer Hours:	0
Source:	National Fish and Wildlife Foundation
Source Type:	Foundation
Status:	Application Submitted
Description:	Status is "pending."
Type :	Major In-Kind Contri
Estimated Amount:	28,600.00
Estimated Volunteer Hours:	0
Source:	Stanislaus National Forest
Source Type:	Federal
Status:	Pledged
Description:	Status is "Confirmed."
Type :	Volunteer Hours
Estimated Amount:	15,120.00
Estimated Volunteer Hours:	1008
Source:	Monitoring Volunteers
Source Type:	Other
Status:	Application Submitted
Description:	1,008 hours at \$15 per hour. Status is "pending."

**Estimated Total Amount of
Resources Leveraged**

141,750.00



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PROJECT REGULATORY REQUIREMENTS

Regulatory Requirements

Description: U.S. Army Corps of Engineers 404 Permit under Nationwide Permit 27: Stream and Wetland Restoration Activities. This permit will be obtained following completion of the CEQA/NEPA documents and prior to meadow restoration implementation.

Status: Intend to Apply
Agency Contact Name: U.S. Army Corps of Engineers
Anticipated Approval/Submitted Date: 05/31/2012

Description: Regional Water Quality Control Board Section 401 Water Quality Certification. This permit will be obtained following completion of the CEQA/NEPA documents and prior to meadow restoration implementation.

Status: Intend to Apply
Agency Contact Name: Regional Water Quality Control Board
Anticipated Approval/Submitted Date: 05/31/2012



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PROJECT TIMELINE INFORMATION

Project Timeline	
Milestone/Activity:	Project Development & Planning
Description:	Timeline assumes May 3 start date.
Expected Date:	06/30/2011
Deliverable:	True
Milestone/Activity:	Literature & Data collection
Description:	
Expected Date:	06/30/2011
Deliverable:	True
Milestone/Activity:	Season 1 Meadow Monitoring
Description:	May - Oct. 2011
Expected Date:	10/31/2011
Deliverable:	True
Milestone/Activity:	Wetland Delineation Completed
Description:	
Expected Date:	08/31/2011
Deliverable:	True
Milestone/Activity:	Meadow Review Field Work
Description:	May - Oct. 2011
Expected Date:	10/31/2011
Deliverable:	True
Milestone/Activity:	Six-Month Progress Report Due
Description:	
Expected Date:	11/30/2011
Deliverable:	True



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Milestone/Activity:	Review of Relevant Literature & Data
Description:	Dec. 2011 - March 2012
Expected Date:	03/31/2012
Deliverable:	True
Milestone/Activity:	Six-Month Progress Report Due
Description:	
Expected Date:	05/31/2012
Deliverable:	True
Milestone/Activity:	Field Surveys for Specific Meadows
Description:	May - Oct. 2012
Expected Date:	10/31/2012
Deliverable:	True
Milestone/Activity:	Season 2 Meadow Monitoring
Description:	May - Oct. 2012
Expected Date:	10/31/2012
Deliverable:	True
Milestone/Activity:	Hydrologic Surveys & Project Design
Description:	May - Oct. 2012
Expected Date:	10/31/2012
Deliverable:	True
Milestone/Activity:	Biological & Cultural Resource Assessments/Rpts
Description:	May - Oct. 2012
Expected Date:	10/31/2012
Deliverable:	True
Milestone/Activity:	Meadow Review Field Work
Description:	May - Oct. 2012
Expected Date:	10/31/2012



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Deliverable:	True
Milestone/Activity:	Six-Month Progress Report Due
Description:	
Expected Date:	11/30/2012
Deliverable:	True
Milestone/Activity:	NEPA/CEQA Public Draft Documents Completed
Description:	Dec. 2012 - Jan. 2013
Expected Date:	01/31/2013
Deliverable:	True
Milestone/Activity:	Draft Restoration Design
Description:	
Expected Date:	12/31/2012
Deliverable:	True
Milestone/Activity:	NEPA/CEQA Decision
Description:	
Expected Date:	04/30/2013
Deliverable:	True
Milestone/Activity:	Season 3 Meadow Monitoring
Description:	May - Oct. 2013
Expected Date:	10/31/2013
Deliverable:	True
Milestone/Activity:	Six-Month Progress Report Due
Description:	
Expected Date:	05/31/2013
Deliverable:	True
Milestone/Activity:	Final Meadow Restoration Designs



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Description:	
Expected Date:	05/31/2013
Deliverable:	True
Milestone/Activity:	Permit Approvals
Description:	
Expected Date:	10/31/2013
Deliverable:	True
Milestone/Activity:	Six-Month Progress Report Due
Description:	
Expected Date:	11/30/2013
Deliverable:	True
Milestone/Activity:	Draft Meadow Memorandum
Description:	
Expected Date:	12/31/2013
Deliverable:	True
Milestone/Activity:	Final Meadow Memorandum
Description:	
Expected Date:	02/28/2014
Deliverable:	True
Milestone/Activity:	Integration with IRWMP
Description:	Ongoing through May 2014
Expected Date:	05/31/2014
Deliverable:	True
Milestone/Activity:	Final Report Due & Project Completion
Description:	
Expected Date:	05/31/2014
Deliverable:	True



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PROJECT PEER REVIEWER INFORMATION

Reviewers

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UPLOADS

The following pages contain the following uploads provided by the applicant:

Upload Name
Completed Checklist
Table of Contents
Application Form
Authorization to Apply or Resolution
Articles of Incorporation (Non-Profit Organization)
Bylaws (Non-Profit Organizations Only)
IRS Tax Letter (Non-Profit Organizations Only)
Project Summary
Evaluation Criteria Narrative
Detailed Budget Form



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Performance Measures
Environmental Setting and Impacts
Parcel Map Showing County Assessors Parcel Number
Parcel Map Showing County Assessors Parcel Number
Topographic Map
Photos of the Project Site
Land Tenure- Only for Site Improvement Projects
Leases or Agreements
CEQA Documentation
NEPA Documentation
Regulatory Requirements or Permits
Letters of Support



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Project Location Map
Project Location Map

To preserve the integrity of the uploaded document, headers, footers and page numbers have not been added by the system.

Application Checklist for Category Two Grants

Project Name: Upper Tuolumne and Stanislaus Watersheds Meadows Restoration

Applicant: Tuolumne River Trust

Please mark each box: check if item is included in the application; mark "N/A" if not applicable to the project. Please consult with SNC staff prior to submission if you have any questions about the applicability to your project of any items on the checklist. All applications must include a CD including an electronic file of each checklist item, if applicable. The naming convention for each electronic file is listed after each item on the checklist. (Electronic File Name = EFN: "naming convention". file extension choices)

1. ☒ Completed Checklist (EFN: Checklist.doc,.docx,.rtf, or .pdf)
2. ☒ Table of Contents (EFN: TOC.doc,.docx,.rtf, or .pdf)
3. ☒ Application Form (EFN: AppForm.doc, .docx, .rtf, or .pdf)
4. ☒ Authorization to Apply or Resolution (EFN: AutRes.doc, .docx, .rtf, or .pdf)
- 5a. ☒ Articles of Incorporation [501(c)(3)s only] (EFN: ArtInc.doc, .docx, .rtf, or .pdf)
- 5b. ☒ Bylaws [501(c)(3)s only] (EFN: Bylaws.doc, .docx, .rtf, or .pdf)
- 5c. ☒ Tax Exempt Status letter from the Internal Revenue Service [501(c)(3)s only] (EFN: TaxExempt.doc, .docx, .rtf, or .pdf)
6. ☒ Project Summary (Two Page Maximum) (EFN: ProjSum.doc, .docx, .rtf, or .pdf)
7. ☒ Evaluation Criteria Narrative (EFN : EvalCrit.doc, .docx, .rtf, .pdf)
8. ☒ Detailed Budget Form (EFN: Budget.xls, .xlsx)
9. ☒ Performance Measures (EFN: Perform.doc, .docx, .rtf, or .pdf)
10. ☒ Environmental Setting and Impacts (EFN: EnvSetImp.docx, .docx, .rtf, .pdf))
11. ☒ Project Location Map (EFN: LocMap.pdf)
12. ☒ Parcel Map showing County Assessor's Parcel Number(s) (EFN: ParcelMap.pdf)
13. ☒ Topographic Map (EFN: Topo.pdf)
14. ☒ Photos of the Project Site (10 maximum) (ENF: Photo.jpg, .gif)
15. ☒ Land Tenure (EFN: Tenure.pdf)
16. ☒ Leases or Agreements (EFN: LeaseAgrmnt.pdf)
17. ☒ California Environmental Quality Act (CEQA) (EFN: CEQA.pdf)
18. ☒ National Environmental Policy Act (NEPA) (If applicable) (EFN: NEPA.pdf)
19. ☒ Regulatory Requirements / Permits (ENF: RegPermit.pdf)
20. ☒ Demonstrations of Support (EFN: DOS.pdf)
21. ☐ Executive Officer Authorization Request Form (**only** for time-sensitive projects up to \$50,000) (EFN: EOrequest.pdf)

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21.	Executive Officer Authorization Request Form	N/A

**SIERRA NEVADA CONSERVANCY
PROPOSITION 84 GRANT APPLICATION FORM
CATEGORY TWO GRANT**

Rev. January 2010

Complete all applicable items on both pages of form.

1. PROJECT NAME Upper Tuolumne and Stanislaus Watersheds Meadows Restoration	2. REFERENCE NUMBER 														
3. APPLICANT (Agency name, address, and zip code) Tuolumne River Preservation Trust 67 Linoberg Street Sonora, CA 95370	4. APPLICANT TYPE: <input checked="" type="checkbox"/> Non-profit Organization <input type="checkbox"/> Government <input type="checkbox"/> Tribal Organization														
5. APPLICANT'S AUTHORIZED REPRESENTATIVE <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><i>Name and title – type or print</i></td> <td style="text-align: center;"><i>Phone</i></td> <td style="text-align: center;"><i>Email Address</i></td> </tr> <tr> <td><input checked="" type="checkbox"/> Mr. Patrick Koepele, Deputy Executive Director</td> <td>209-588-8636</td> <td>patrick@tuolumne.org</td> </tr> <tr> <td colspan="3"><input type="checkbox"/> Ms.</td> </tr> </table>		<i>Name and title – type or print</i>	<i>Phone</i>	<i>Email Address</i>	<input checked="" type="checkbox"/> Mr. Patrick Koepele, Deputy Executive Director	209-588-8636	patrick@tuolumne.org	<input type="checkbox"/> Ms.							
<i>Name and title – type or print</i>	<i>Phone</i>	<i>Email Address</i>													
<input checked="" type="checkbox"/> Mr. Patrick Koepele, Deputy Executive Director	209-588-8636	patrick@tuolumne.org													
<input type="checkbox"/> Ms.															
6. PERSON WITH DAY-TO-DAY RESPONSIBILITY FOR ADMINISTRATION OF THE GRANT <i>(If different from Authorized Representative)</i> <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><i>Name and title – type or print</i></td> <td style="text-align: center;"><i>Phone</i></td> <td style="text-align: center;"><i>Email Address</i></td> </tr> <tr> <td><input type="checkbox"/> Mr.</td> <td></td> <td></td> </tr> <tr> <td colspan="3"><input type="checkbox"/> Ms.</td> </tr> </table>		<i>Name and title – type or print</i>	<i>Phone</i>	<i>Email Address</i>	<input type="checkbox"/> Mr.			<input type="checkbox"/> Ms.							
<i>Name and title – type or print</i>	<i>Phone</i>	<i>Email Address</i>													
<input type="checkbox"/> Mr.															
<input type="checkbox"/> Ms.															
7. PERSON WITH FISCAL MANAGEMENT RESPONSIBILITY FOR GRANT CONTRACT/INVOICING <i>(If different from Authorized Representative or Day to Day Administrator)</i> <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><i>Name and title – type or print</i></td> <td style="text-align: center;"><i>Phone</i></td> <td style="text-align: center;"><i>Email Address</i></td> </tr> <tr> <td><input checked="" type="checkbox"/> Mr. Chris Daniels, Finance and Administrative Director</td> <td>415-882-7252</td> <td>chris@tuolumne.org</td> </tr> <tr> <td colspan="3"><input type="checkbox"/> Ms.</td> </tr> </table>		<i>Name and title – type or print</i>	<i>Phone</i>	<i>Email Address</i>	<input checked="" type="checkbox"/> Mr. Chris Daniels, Finance and Administrative Director	415-882-7252	chris@tuolumne.org	<input type="checkbox"/> Ms.							
<i>Name and title – type or print</i>	<i>Phone</i>	<i>Email Address</i>													
<input checked="" type="checkbox"/> Mr. Chris Daniels, Finance and Administrative Director	415-882-7252	chris@tuolumne.org													
<input type="checkbox"/> Ms.															
8. FUNDING INFORMATION <table style="width: 100%; border: none;"> <tr> <td style="width: 40%;">SNC Grant Request <i>(Up to \$250,000)</i></td> <td style="width: 10%; text-align: center;">\$</td> <td style="width: 50%; border-bottom: 1px solid black;"></td> </tr> <tr> <td>Other Funds</td> <td style="text-align: center;">\$</td> <td style="border-bottom: 1px solid black;"></td> </tr> <tr> <td>Total Project Cost</td> <td style="text-align: center;">\$</td> <td style="border-bottom: 1px solid black;"></td> </tr> </table>		SNC Grant Request <i>(Up to \$250,000)</i>	\$		Other Funds	\$		Total Project Cost	\$						
SNC Grant Request <i>(Up to \$250,000)</i>	\$														
Other Funds	\$														
Total Project Cost	\$														
9. PROJECT CATEGORY <input checked="" type="checkbox"/> Pre-Project Planning	9a. DELIVERABLES (Select <u>one</u> primary deliverable) <table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> Study/Report</td> <td><input type="checkbox"/> Data</td> </tr> <tr> <td><input type="checkbox"/> Appraisal</td> <td><input type="checkbox"/> Plan</td> </tr> <tr> <td><input type="checkbox"/> Condition Assessment</td> <td><input type="checkbox"/> Model/Map</td> </tr> <tr> <td><input type="checkbox"/> Preliminary Title Report</td> <td><input type="checkbox"/> Design/Permit</td> </tr> <tr> <td><input checked="" type="checkbox"/> CEQA/NEPA Compliance</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Biological/Other Survey(s)</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Environmental Site Assessment (Phase I/II)</td> <td></td> </tr> </table>	<input type="checkbox"/> Study/Report	<input type="checkbox"/> Data	<input type="checkbox"/> Appraisal	<input type="checkbox"/> Plan	<input type="checkbox"/> Condition Assessment	<input type="checkbox"/> Model/Map	<input type="checkbox"/> Preliminary Title Report	<input type="checkbox"/> Design/Permit	<input checked="" type="checkbox"/> CEQA/NEPA Compliance		<input type="checkbox"/> Biological/Other Survey(s)		<input type="checkbox"/> Environmental Site Assessment (Phase I/II)	
<input type="checkbox"/> Study/Report	<input type="checkbox"/> Data														
<input type="checkbox"/> Appraisal	<input type="checkbox"/> Plan														
<input type="checkbox"/> Condition Assessment	<input type="checkbox"/> Model/Map														
<input type="checkbox"/> Preliminary Title Report	<input type="checkbox"/> Design/Permit														
<input checked="" type="checkbox"/> CEQA/NEPA Compliance															
<input type="checkbox"/> Biological/Other Survey(s)															
<input type="checkbox"/> Environmental Site Assessment (Phase I/II)															
10. PROJECT ADDRESS/LOCATION <i>(Include zip code)</i> The Fahey Meadow complex is located in the Mi-Wok Ranger District, in the Stanislaus National Forest in Township 2N, Range 17E, Sections 9 and 16. The Wolfen Meadow Complex is located on the Groveland Ranger District, in the Stanislaus National Forest in Township 2N, Range 18E, Sections 19, 20, 29. and 30.															
11. Latitude and Longitude WOLFEN MDW - NORTH : (120° 1'39.959" W 38° 0'49.638" N) WOLFEN MDW - MAIN : (120° 1'51.206" W 38° 0'29.065" N) LOWER FAHEY MDW: (120° 6'23.125" W 38° 2'21.563" N) UPPER FAHEY MDW SOUTH: (120° 6'45.209" W 38° 2'12.848" N)															

Miscellaneous meadows throughout the upper Tuolumne & Stanislaus Watersheds at various locations	
12. COUNTY Tuolumne County	13. CITY (Is project within city limits? If so, which one?) Not within city limits
14. NEAREST PUBLIC WATER AGENCY (OR AGENCIES) CONTACT INFORMATION:	
Name: Tuolumne Utilities District Phone Number: 209-532-5536	
Email address: pkampa@tuolumneutilities.com	
Name: Phone Number:	
Email address:	
15. CEQA OR NEPA DOCUMENT TYPE (if applicable)	
<input type="checkbox"/> Notice of Exemption	<input type="checkbox"/> Finding of No Significant Impact
<input type="checkbox"/> Negative Declaration	<input type="checkbox"/> Environmental Impact Statement
<input type="checkbox"/> Environmental Impact Report	<input type="checkbox"/> Joint CEQA/NEPA Document
16. State Clearinghouse Number	
17. Executive Officer Authorization	
Is an EO Authorization being requested: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

I certify that the information contained in the Application, including required attachments, is accurate.


 Signed (Authorized Representative)

September 13, 2010
 Date

Patrick Koepele, Deputy Executive Director
 Name and Title (print or type)



Tuolumne River Trust

OFFICES

111 New Montgomery St.
Suite, 205
San Francisco, CA 94105
(415) 882-7252

829 Thirteenth Street
Modesto, CA 95354
(209) 236-0330

67 Linoberg Street,
Sonora, CA 95370
(209) 588-8636

DIRECTORS

HONORARY

David Conrad
John Echeverria
Alvin Greenberg, Ph.D.
Ed Wayburn, M.D.

BOARD MEMBERS

Susan Stern, Chair
Jerry Meral, Ph.D.,
Vice Chair
Dan Sullivan, Treasurer
John Nimmons,
Secretary
Eric Heitz,
Chair Emeritus
Gordon Becker
Ross Carkeet, Jr.
Harrison Dunning
Bob Hackamack
Bill Maher
Len Materman
Marty McDonnell
Sue Ellen Ritchey
Galen Weston

ADVISORS

David Aced, CPA
John Amodio
Sally Chenault
Ann Clark, Ph.D.
Heather Dempsey
R Adm. James B Greene
JJr., USN (ret.)
Richard Haratani
Samuel Harned
Noah Hughes
Balvino Irizarry
Thomas A. Johnson
Jeffrey Leighton, CPA
Cecily Majerus
Deanna Maurer
Amy Meyer
Jenna Olsen
Drummond Pike
Wendy Pulling
Richard Roos-Collins
Norwood Scott
Lynn Seigerman
Ron Stork
Patricia Sullivan
Therese Tuttle
Holly Welles, Ph.D.
Jennifer White, Ph.D.
John Woolard

Board of Directors Resolution No. 2010-1

In the matter of: A RESOLUTION APPROVING THE APPLICATION FOR GRANT FUNDS FOR THE FISCAL YEAR 2010-2011 GRANT PROGRAM UNDER THE PROPOSITION 84 SAFE DRINKING WATER, WATER QUALITY AND SUPPLY, FLOOD CONTROL, RIVER AND COAST PROTECTION BOND ACT OF 2006.

Resolution No: 2010-01

Date: September 1, 2010

The following RESOLUTION was duly passed by the Board of Directors of the Tuolumne River Trust as of September 1, 2010, by the following vote:

Ayes:	12
Noes:	0
Abstentions:	0
Absent:	2

Signed and approved by:

John Nimmons
Secretary, Board of Directors

WHEREAS, the Legislature and Governor of the State of California have provided Funds for the program shown above; and

WHEREAS, the Sierra Nevada Conservancy (SNC) has been delegated the responsibility for the administration of a portion of these funds through a local assistance grants program, establishing necessary procedures; and

WHEREAS, said procedures established by the Sierra Nevada Conservancy require a resolution certifying the approval of application(s) by the Tuolumne River Trust's governing board before submission of said application(s) to the SNC; and

WHEREAS, the Tuolumne River Trust, if selected, will enter into an agreement with the SNC to carry out the project; and

WHEREAS, the Tuolumne River Trust has identified the Tuolumne Watershed Meadow Restoration Project as valuable toward meeting its mission and goals.

BE IT HEREBY RESOLVED by the Board of Directors of the Tuolumne River Trust that this Board:

1. Approves the submittal of an application for the Tuolumne Watershed Meadow Restoration Project; and
2. Certifies that the Tuolumne River Trust understands the assurances and certification requirements in the application; and
3. Certifies that Tuolumne River Trust will comply with all legal requirements as determined during the application process; and
4. Appoints Patrick Koepele, or designee, as agent to conduct all negotiations, execute and submit all documents, including but not limited to: applications, agreements, payment requests, and so on, which may be necessary for the completion of the aforementioned project(s).

PASSED AND ADOPTED by the Tuolumne River Trust as of the first day of September, 2010.

07-01 1981 THU 1001 15L 1AG
PPAY

FILED
In the office of the Secretary of State
of the State of California
MAY 3 1982
MARSH FOND EU, Secretary of State
By Karen Farrell
Deputy

3

. II

B. The specific purposes of this corporation are:

(2) To educate the public on the importance of energy and water conservation and the need to preserve free flowing rivers and natural waterways. The corporation shall present its educational programs through public discussion groups, forums, panels, lectures and similar activities.

III

John Amodio
c/o Friends of the River
Bldg. C Fort Mason
San Francisco, CA 94123

LV

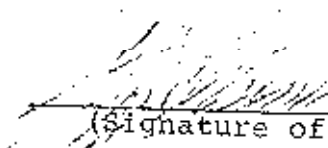
B. Notwithstanding any other provision of these Articles, the Corporation shall not carry on any other activities not permitted to be carried on by a corporation except those Federal Income Tax under Section 501 (c)(3) of the Internal Revenue Code.

C. The corporation shall not participate or intervene in any political campaign (including publishing or distributing campaign literature) on behalf of any candidate for public office.

V

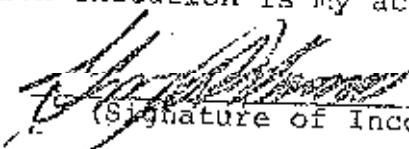
The property of this corporation is irrevocably dedicated to social welfare purposes and no part of the net income or assets of this corporation shall ever inure to the benefit of any director, officer or member thereof or to the benefit of any private person. Upon the dissolution or winding up of the corporation, its assets remaining after payment, or provision for payment, of all debts and liabilities of this corporation shall be distributed to a nonprofit fund, foundation, or corporation which is organized and operated exclusively for charitable or social welfare purposes and which has established its tax exempt status under Section 501 (c) (3) or 501 (c) (4) of the Internal Revenue Code.

Dated: 3 30 / 82


(Signature of Incorporator)

Gregory Thomas
(Typed Name of Incorporator)

I hereby declare that I am the person who executed the foregoing Articles of Incorporation, which execution is my act and deed.


(Signature of Incorporator)

DEC 20 1999

BILL JONES, Secretary of State

CERTIFICATE OF RESTATED ARTICLES OF INCORPORATION

Of The

TUOLUMNE RIVER PRESERVATION TRUST

A California Nonprofit Public Benefit Corporation

Robert Canning and Susan Stern certify that:

1. They are the President and Secretary, respectively, of the Tuolumne River Preservation Trust, a California Nonprofit Public Benefit Corporation.
2. The following Restatement of the Articles of Incorporation has been approved and adopted by the board of directors.

RESTATED ARTICLES OF INCORPORATION

Of The

TUOLUMNE RIVER PRESERVATION TRUST

A California Nonprofit Public Benefit Corporation

I

The name of this corporation is The Tuolumne River Preservation Trust.

II

A) This corporation is a nonprofit public benefit corporation and is not organized for the private gain of any person. It is organized under the Nonprofit Public Benefit Corporation Law for charitable purposes.

B) The specific purposes of this corporation are:

- 1) To protect and preserve the Tuolumne River and its associated resources.
- 2) To educate the public regarding the importance of energy and water conservation and the need to preserve free flowing rivers and natural water ways.

III

The assets and property of the corporation are irrevocably dedicated to charitable and educational purposes meeting the requirements for exemption provided by Section 214 of the California Revenue and Taxation Code and Section 501(c)(3) of the Internal Revenue Code or the corresponding provisions of any future federal or state tax laws.

IV

- A) This corporation is organized and operated exclusively for charitable and educational purposes within the meaning of Section 501(c)(3) of the Internal Revenue Code or the corresponding provisions of any future federal tax laws.
- B) No substantial part of the activities of this corporation shall consist of carrying on propaganda or otherwise attempting to influence legislation, and the corporation shall not participate or intervene in any political campaign (including the publishing or distribution of statements) on behalf of any candidate for public office.

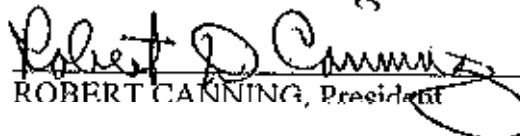
V

Upon the dissolution or winding up of the corporation its assets remaining after payment, or provision for payment, of all debts and liabilities of this corporation shall be distributed to a nonprofit fund, foundation, or corporation which is organized and operated exclusively for charitable and educational purposes meeting the requirements for exemption provided by Section 214 of the California Revenue and Taxation Code and which has established its tax exempt status under Section 501 (c)(3) of the Internal Revenue Code.

- 3. The directors are the only members of the corporation.

VERIFICATION

Each of the undersigned declares under penalty of perjury under the laws of the State of California that the statements in the foregoing Certificate are true and correct of his or her own knowledge, and that this declaration was executed on December 16, 1999, at Modesto, California.


ROBERT CANNING, President


SUSAN STERN, Secretary



BYLAWS
OF THE
TUOLUMNE RIVER PRESERVATION TRUST

Adopted 12/09/2004

Article I

NAME AND LOCATION

Section 1. Name. The name of this organization shall be the Tuolumne River Preservation Trust (“the Trust”), a nonprofit public benefit corporation incorporated under the laws of the State of California.

Section 2. Location. The principal office of the Trust shall be located in San Francisco, California. The Board of Directors of the Trust may change the location of the principal office and establish additional offices in other localities.

Article II

PURPOSES

The mission statement of the Trust shall be: To promote the stewardship of the Tuolumne River and its tributaries to ensure a healthy watershed.

The specific and primary purposes of the Trust shall be:

- (A) To promote the social welfare through the protection of the Tuolumne River and its associated resources;
- (B) To educate the public regarding the importance of energy and water conservation and the need to preserve free-flowing rivers and natural waterways,

through mailing, public forums, discussion groups; and by direct communication with public officials concerning policy issues relating to the goals of the Trust, but such communications shall be limited by the regulations established for organizations operating under Section 501(c)(3) of the Internal Revenue Code of 1954, as amended.

(C) To have and exercise all rights and powers conferred on nonprofit public benefit corporations under the laws of the State of California; provided, however, that this corporation shall not, except to an insubstantial degree, engage in any activities or exercise any powers that are not in furtherance of the primary purposes of this corporation.

No part of the net earnings or assets of the Trust shall inure to the benefit of any director, officer, or other private individual. Under no circumstances shall the Trust participate or intervene in any political campaign (including the publishing or distribution of endorsements) on behalf of any candidate for public office.

Article III

MEMBERSHIP

Section 1. Members. The corporation shall have no members. Any action which would otherwise require approval by a majority of all members or approval by the members shall require only approval by the Board. All rights which would otherwise vest in the members shall vest in the Directors.

Section 2. Non-voting Members. The Board of Directors may, by resolution, establish classes of non-voting members and directorships and provide for eligibility and rights and duties, including the obligation to pay dues.

Section 3. Associates. Nothing in this Article III shall be construed as limiting the right of the corporation to refer to persons associated with it as “Members” even though such persons are not members, and no such reference shall constitute anyone a member, within the meaning of Section 5056 of the California Non Profit Corporation Law.

Article IV

BOARD OF DIRECTORS

Section 1. Authority and Responsibility. The governing body of the Trust shall be the Board of Directors. The Board of Directors shall have supervision, control and direction of the affairs of the Trust; shall actively prosecute the Trust’s objectives; and shall supervise the disbursement of the Trust’s funds. The Board may adopt such rules and regulations for the conduct of its business as it shall deem advisable, and may, in the execution of the powers granted, delegate certain of its authority and responsibility to one or more committees.

Section 2. Number of Directors. The authorized number of Directors shall be not less than six (6) and not more than thirty (30), with the exact number to be fixed by resolution of the Board.

Section 3. Term and Election. Except for the initial adjustments of shorter terms needed to create staggered terms, the term of office for Directors shall be three years. At the conclusion of a Director's term, s/he must be re-nominated and re-elected. The board shall elect

its own members by majority vote, with a slate developed and presented by a nominating committee. Executive officers will serve for a term of two years.

Section 4. Place and Manner of Meeting; Action Without Meeting. Annual and regular meetings of the Board of Directors may be held at such place and time as the Directors may determine. Special meetings of the Board of Directors may be held at any time upon call of the Executive Director, Chair of The Board, or a majority of the Directors. Members of the Board of Directors may act by means of conference telephone network or similar communication methods by which all persons participating in the meeting can hear each other, and without meetings by unanimous written consent to such action signed by all Directors and filed with the minutes of the Board.

Section 5. Notice. Written notice of the Annual Meeting and any regular or special meetings of the Board of Directors shall be given to each Director at least four (4) days before any such meeting. The notice shall be delivered personally, or by first-class mail, or by telegram, or by facsimile or by electronic mail, or by other electronic means.

Section 6. Quorum. One-third (1/3) of the number of Directors shall constitute a quorum.

Section 7. Chair of the Board. The Board of Directors may, by majority vote, appoint from the Directors a Chair and Vice-Chair. The Chair shall preside at all meetings of the Board of Directors and shall have such other duties as the Board shall determine. The Vice-Chair may act as Chair, in the absence of the Chair. The Board may, by resolution, designate the Chair of the Board and the Vice-Chair by such other names as it deems appropriate; designation by such other names shall not change the responsibilities of the position.

Section 8. Reimbursement of Directors. Directors shall serve without compensation except that they Directors may be reimbursed for any reasonable expenses incurred by them in the execution of their official duties, including travel expenses. Directors may not be compensated for rendering services to the corporation in any capacity other than director unless such other compensation is reasonable and is allowable under the provisions of Section 9 of this Article.

Section 9. Restriction Regarding Interested Directors. Notwithstanding any other provision of these Bylaws, not more than forty-nine percent (49%) of the persons serving on the board may be interested persons. For purposes of this Section, "interested persons" means either:

- (A) Any person currently being compensated by the corporation for services rendered it within the previous twelve (12) months, whether as a full- or part-time officer or other employee, independent contractor, or otherwise, excluding any reasonable compensation paid to a director as director; or
- (B) Any brother, sister, ancestor, descendant, spouse, brother-in-law, sister-in-law, son-in-law, daughter-in-law, mother-in-law, or father-in-law of any such person.

Section 10. Voting. At all meetings of the Board of Directors, each Director shall have one vote.

Section 11. Vacancies. The Board of Directors, by majority vote, is empowered to appoint temporary Directors to fill any vacancies on the Board caused by death, resignation, or otherwise; such temporary Directors serve until the next annual meeting of the Trust.

Section 12. Removal of Directors. Any Director may be removed for cause by vote of two-thirds (2/3) of the entire Board.

Section 13. Resignation. Any Director may resign from the Board by giving written notice to the Chairman of the Board. Such resignation shall be effective upon receipt of notice by the Chairman or at such later date as specified in the notice.

Section 14. Standard of Care. A Director shall perform the duties of a Director, including duties as a member of any committee of the Board on which the Director may serve, in good faith, in a manner such Director believes to be in the best interests of this corporation, and with due care, including reasonable inquiry.

Article V

COMMITTEES

Section 1. Committee of Directors. The Board of Directors may, by resolution adopted by a majority of the Directors then in office, designate one or more committees, each consisting of two or more Directors, to serve at the pleasure of the Board. Appointments to such committees shall be by a majority vote of the Directors then in office. Any committee with powers of the Board shall consist of two or more Directors. Any such committee, to the extent provided in the resolution, may have all the authority of the Board, except that no committee, regardless of Board resolution may:

- (A) Fill vacancies on the Board of Directors;
- (B) Fix compensation of Directors for serving on the Board of any committee;
- (C) Amend or repeal Bylaws or adopt new Bylaws;
- (D) Amend or repeal any resolution of the Board of Directors which by its expressed terms is not amendable or repealable;

Section 2. Meetings. Meetings and actions of committees shall be governed by and held in accordance with the provisions of Article IV of these Bylaws concerning meetings of Directors, with such changes in the context of those Bylaws as are necessary to substitute the committee and its members for the Board of Directors and its members. Minutes shall be kept of each meeting of any committee and shall be filed with the corporate records. The Board of Directors shall adopt rules for the governance of any committee not inconsistent with the provisions of these Bylaws.

Article VI

OFFICERS

Section 1. Officers and Qualifications. The officers of the Trust shall be the Chair of the Board of Directors, Vice-Chair, Executive Director, Secretary, Treasurer, and such other officers as the Board of Directors deems advisable. Any two offices, except the offices of the Executive Director and Treasurer, may be held by the same person.

Section 2. Election. The initial officers shall be elected at the organizational meeting of the Trust from a slate developed by a nominating committee.

Section 3. Term of Office. Executive officers will serve for a term of two years.

Section 4. Removal of Officers. Any officer may be removed either with or without cause by the vote of a majority of the Board of Directors. Any officer may resign by giving written notice to the Chairman of the Board.

Section 5. Vacancies. A vacancy in any office shall be filled by the Board of Directors.

Section 6. Duties of Officers. The duties and powers of the officers of the Trust shall be as follows or as shall hereafter be set by resolution of the Board of Directors.

Section 7. Chair. The Chair shall preside at all meetings of the Board of Directors and shall exercise and perform such powers and duties as may be from time to time assigned by the Board or prescribed by these Bylaws. The Chair shall be nominated by the Board of Directors.

Section 8. Vice Chair. The Vice Chair shall serve the role of Chair in Chair's absence.

Section 9. Executive Director. The Executive Director shall be the chief executive officer of the corporation and shall, subject to control of the Board, generally supervise, direct and control the business, officers and employees of the corporation. The Executive Director shall have the general powers and duties of management usually vested in the Chief Executive Officer of a corporation and shall have such other powers and duties as may be prescribed by the Board or by the Bylaws. The Executive Director shall not be a member of the Board of Directors and shall have a salary set by the Board.

Section 9. Secretary. The Secretary shall supervise the keeping of a full and complete record of the proceedings of the Directors, shall supervise giving notices as may be necessary, shall supervise the keeping of the minute book of the corporation, and shall discharge such other duties as pertain to the office or as prescribed by the Directors. The Secretary may be elected from the Board.

Section 10. Treasurer. The Treasurer shall be the Chief Financial Officer of the corporation and shall supervise the custody of all funds of the corporation, shall supervise the deposit of such funds in the manner required, shall supervise the keeping and maintaining of

adequate and correct accounts of the Trust's properties and business transactions, shall supervise the rendering of reports and accounting as required, and shall discharge such other duties as pertain to the office as prescribed by the Directors. The Treasurer shall be elected from the Board of Directors.

Section 11. Other Officers. Other officers may be designated and given such powers as are assigned to them by the Board of Directors.

Section 12. Staff. The organization may also retain paid staff who are not officers and are also not eligible to serve on the Board of Directors.

Section 13. Compensation of Officers. The officers shall receive such salary as may be fixed by the Board of Directors. The salaries of the officers, if any, shall be fixed from time to time by resolution of the Board of Directors, and no officer shall be prevented from receiving such salary by reason of the fact that he or she is also a director of the corporation, provided, however, that such compensation paid a director for serving as an officer of this corporation shall only be allowed if permitted under the provisions of Article 4, Section 9 of these Bylaws. In all cases, any salaries received by officers of this corporation shall be reasonable and given in return for services actually rendered for the corporation which relate to the performance of the charitable or public purposes of this corporation.

Article VII

FISCAL YEAR

The fiscal year of the Trust shall begin on January 1 and end on December 31.

Article VIII

INDEMNIFICATION

The Trust may indemnify and reimburse all persons whom it has the power to indemnify and reimburse to the maximum extent permitted by Section 5233 of the Nonprofit Public Benefit Corporation Law of the State of California or any successor or other applicable statute, subject to any limitations imposed by law.

Article IX

MISCELLANEOUS PROVISIONS

Section 1. Inspection of Articles and Bylaws. The corporation shall keep at its principal executive office in California the original or copies of its Articles of Incorporation and Bylaws, as amended or otherwise altered to date, certified by the Secretary, which shall be open to inspection by any Director at all reasonable times during office hours.

Section 2. Records. The corporation shall keep adequate and correct books and records of account and shall keep minutes of the proceedings of its Board of Directors and the committees, if any, of the Board of Directors. Such minutes shall be in written form. Such other books and records shall be kept either in written form or in any other form capable of being converted into written form.

Section 3. Checks, Drafts, Etc. The Board of Directors shall, from time to time and as necessary, determine by resolution the person or persons with authority to sign checks, drafts, or other orders for payment of money, notes, or other evidences of indebtedness issued in the name of or payable to the corporation.

Article X

AMENDMENT OF ARTICLES AND BYLAWS

A majority of the Directors present at a meeting at which a quorum is present may amend the Articles of Incorporation or Bylaws or may adopt new Articles of Incorporation or Bylaws.

Article XI

PROHIBITION AGAINST SHARING CORPORATE PROFITS AND ASSETS

Section 1. Prohibition Against Sharing Corporate Profits and Assets. No member, director, officer, employee, or other person connected with this corporation, or any private individual, shall receive at any time any of the net earnings or pecuniary profit from the operations of the corporation, provided, however, that this provision shall not prevent payment to any such person of reasonable compensation for services performed for the corporation in effecting any of its public or charitable purposes, provided that such compensation is otherwise permitted by these Bylaws and is fixed by resolution of the Board of Directors; and no such person or persons shall be entitled to share in the distribution of, and shall not receive, any of the corporate assets on dissolution of the corporation. Upon such dissolution or winding up of the affairs of the corporation, whether voluntarily or involuntarily, the assets of the corporation, after all debts have been satisfied, shall be distributed as required by the Articles of Incorporation of this corporation and not otherwise.

Internal Revenue Service
District Director

Department of the Treasury

P O BOX 36001 STOP SF-4-4-46
SAN FRANCISCO, CA 94102

Date: MAR. 25, 1988

TUOLUMNE RIVER PRESERVATION TRUST
870 MARKET STREET SUITE 859
SAN FRANCISCO, CA 94102

Employer Identification Number:
94-2834151
Case Number:
958049013
Contact Person:
DANIEL STEVENS
Contact Telephone Number:
(415) 556-0319

Our Letter Dated:
Aug. 3, 1983
Caveat Applies:
No

Dear Applicant:

This modifies our letter of the above date in which we stated that you would be treated as an organization which is not a private foundation until the expiration of your advance ruling period.

Based on the information you submitted, we have determined that you are not a private foundation within the meaning of section 509(a) of the Internal Revenue Code, because you are an organization of the type described in section 509(a)(1) and 170(b)(1)(A)(vi). Your exempt status under section 501(c)(3) of the code is still in effect.

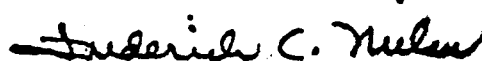
Grantors and contributors may rely on this determination until the Internal Revenue Service publishes a notice to the contrary. However, a grantor or a contributor may not rely on this determination if he or she was in part responsible for, or was aware of, the act or failure to act that resulted in your loss of section 509(a)(1) status, or acquired knowledge that the Internal Revenue Service had given notice that you would be removed from classification as a section 509(a)(1) organization.

Because this letter could help resolve any questions about your private foundation status, please keep it in your permanent records.

If the heading of this letter indicates that a caveat applies, the caveat below or on the enclosure is an integral part of this letter.

If you have any questions, please contact the person whose name and telephone number are shown above.

Sincerely yours,



Frederick C. Nielsen
District Director

PROJECT SUMMARY

County: Tuolumne

Applicant: Tuolumne River Preservation Trust

Project Title: Upper Tuolumne and Stanislaus Watersheds Meadows Restoration

PROJECT GOAL

The overall goal of the project is to restore and improve conditions of meadows in the Upper Tuolumne and Stanislaus Watersheds. The specific goals of this phase of the project are: 1) to complete all regulatory requirements and designs needed to implement meadow restoration in four meadows on the Stanislaus National Forest (STF); and 2) to complete background literature and data review, limited field work, and an initial analysis of meadow conditions throughout the upper Tuolumne and Stanislaus Watersheds in support of the development of a Tuolumne-Stanislaus Integrated Regional Water Management Plan (IRWMP), currently under development.

The project will address the Sierra Nevada Conservancy's (SNC) program goal 2, to "Protect, Conserve, and Restore the Region's Physical, Cultural, Archaeological, Historical, and Living Resources," and the Proposition 84 goal of protection and restoration of streams, their watersheds and associated land and water by conserving and restoring meadows and associated streams within the upper Tuolumne and Stanislaus watersheds.

PROJECT SCOPE

The overall goal of the project is to restore and improve conditions of meadows in the Upper Tuolumne and Stanislaus Watersheds. For this phase of the project, we will focus on the pre-project due diligence to restore four meadows and their associated streams in the Clavey Watershed, a tributary to the Tuolumne River. These streams within the meadows have eroded banks, headcuts, depressed water tables, and poor vegetative cover.

To accomplish our goal, we seek to complete the following due-diligence tasks:

- NEPA analysis and documentation (completed by the Stanislaus National Forest)
- CEQA analysis and documentation (completed by the Tuolumne River Trust [TRT] and its consultant)
- wetlands delineation (completed by the TRT and its consultant)
- permits and designs (completed by the TRT and the STF)
- pre-project monitoring to establish baseline conditions.

A second component of the project is to complete a background literature and data review of existing meadow conditions throughout the upper Tuolumne and Stanislaus Watersheds in support of the IRWMP. To complete this we will:

- Gather and review existing reports, literature, data, and other information about meadows within the study area (TRT and STF)
- Conduct limited field work to verify, photo-document, and establish GIS locations of meadows (TRT)
- Produce a memorandum that provides a summary of conditions of individual meadows and a prioritization of future meadow restoration needs (TRT)
- Integrate this information into the nascent Tuolumne-Stanislaus IRWMP (TRT and the IRWMP collaborative)

LETTERS OF SUPPORT

The following organizations have provided letters of support for this project:

- Stanislaus National Forest
- Tuolumne Utilities District
- Central Sierra Environmental Resource Center
- Tuolumne Me-Wuk Tribal Council

SNC PROJECT DELIVERABLES AND SCHEDULE

DETAILED PROJECT DELIVERABLES	TIMELINE (assumes May 3 start date)
Project Development and Planning	May–June 2011
Literature and Data Collection	May–June 2011
Season 1 Meadow Monitoring	May–Oct 2011
Wetland Delineation Completed	August 2011
Meadow Review Field Work	May–Oct 2011
Six-Month Progress Report Due	November 2011
Review of Relevant Literature and Data	December 2011–March 2012
Six-Month Progress Report Due	May 2012
Field Surveys for Specific Meadows	May–Oct 2012
Season 2 Meadow Monitoring	May–Oct 2012
Hydrologic Surveys and Project Design	May–Oct 2012
Biological and Cultural Resource Assessments/Reports	May–Oct 2012
Meadow Review Field Work	May–Oct 2012
Six-Month Progress Report Due	November 2012
NEPA/CEQA Public Draft Documents Completed	December 2012–January 2013
Draft Restoration Design	December 2012
NEPA/CEQA Decision	April 2013
Season 3 Meadow Monitoring	May–Oct 2013
Six-Month Progress Report Due	May 2013
Final Meadow Restoration Designs	May 2013
Permit Approvals	October 2013
Six-Month Progress Report Due	November 2013
Draft Meadow Memorandum	December 2013
Final Meadow Memorandum	February 2014
Integration with IRWMP	Ongoing through May 2014
Final Report Due and Project Completion	May 2014
Project Implementation (not included in the proposal)	2014–2015

SNC PROJECT COSTS

Budget Category	SNC Budget Request
<i>Direct Expenses</i>	
Personnel Expense	\$68,675
Travel/Meeting Expense	\$2,400
Contracts/Consultants	\$37,250
Materials/Supplies - Project Related	\$3,600
Equipment Purchases	\$4,300
Fees	\$1,131
<i>Indirect Expenses</i>	
Personnel	\$6,802
Printing, Postage, Communications	\$2,289
Performance Measure Reporting	\$4,993
<i>Administrative Costs</i>	\$19,716
Total	\$151,156

Evaluation Criteria

A. Project Quality and Readiness

General Description

Purpose: The purpose of the Upper Tuolumne and Stanislaus Watersheds Meadows Restoration project is twofold: 1) to complete all regulatory requirements and designs needed to implement meadow restoration in four meadows on the Stanislaus National Forest (STF); and 2) to complete background literature and data review, limited field work, and an initial analysis of meadow conditions throughout the upper Tuolumne and Stanislaus Watersheds to prioritize future restoration needs in support of the nascent Tuolumne Stanislaus Integrated Regional Water Management Plan (IRWMP).

Goals: The short-term goals of the project are to complete the pre-restoration environmental documentation, designs and monitoring, and identify other high priority meadow restoration projects. The long-term goal of the project, to be completed in a subsequent phase, is to restore the meadows, thereby improving hydrologic function, vegetation cover, wildlife habitat, and flood attenuation; reducing erosion and sedimentation; and improving water quality in the upper Tuolumne and Stanislaus Watersheds.

Deliverables, Methods, and Partner Roles: Restoration activities are subject to the National Environmental Policy Act (NEPA) and the California Environmental Quality Act (CEQA); therefore, environmental analysis and documentation is needed prior to implementation. The Tuolumne River Trust (TRT) will act as the project manager, retain consultants to assist with CEQA review and environmental permitting, and undertake the review of meadow conditions throughout the Tuolumne-Stanislaus Watersheds. The Stanislaus National Forest (STF) will lead the effort to complete NEPA, design the pre-restoration monitoring, design the site specific treatments, and assist with the meadow background review. The primary deliverables (and lead partners) of this project will be:

- (1) NEPA/CEQA documentation and supporting documentation for the four specific meadows (STF, TRT, and consultants);
- (2) wetland delineation for the four specific meadows (TRT and its consultant);
- (3) completed treatment designs for the four specific meadows (STF);
- (4) secured environmental permits for the four specific meadows (STF and TRT);
- (5) pre-project meadow monitoring (STF and TRT);
- (6) background data and literature review of meadows throughout the upper Tuolumne and Stanislaus Watersheds (STF and TRT);
- (7) field work to verify, photo-document, and establish GIS locations of meadows (TRT);
- (8) memorandum summarizing findings and prioritizing meadow restoration needs throughout the two watersheds (TRT); and
- (9) five interim progress reports and a final report including Performance Measures (TRT).

Sierra Nevada Conservancy (SNC) grant funds will be used to complete all nine deliverables. During the subsequent phase of the project, we will work with the STF to implement the meadow restoration work itself. More details can be found in the project budget.

Project Location: The project is located in Tuolumne and Calaveras Counties in the central Sierra Nevada, within the Upper Tuolumne and Stanislaus Watersheds. The four specific meadow restoration projects are in the Clavey Watershed, a sub-watershed of the Tuolumne Watershed, and entirely within the Stanislaus National Forest. More project location information is provided with the project maps under Item 8 - Project Location.

Related Projects, Plans, and Steps Completed: Watershed management is guided by several planning processes within the Upper Tuolumne and Stanislaus Watersheds. The largest of these is the Tuolumne-Stanislaus IRWMP collaborative, which is developing the IRWMP for the region. Expanding environmental stewardship and protecting surface water quality are among the Statewide IRWMP priorities, and are therefore critical to the Tuolumne-Stanislaus IRWMP. Identifying and ranking meadows for restoration will support the IRWMP in successfully integrating the statewide priorities into regional water management efforts. The upper Tuolumne-Stanislaus has formally been accepted as an IRWMP Region by the California Department of Water Resources (DWR) and currently the collaborative (of which both TRT and STF are members) is preparing a planning grant to submit in late September 2010. If the grant is approved, the collaborative is planning on a 24-month planning timeline to complete the IRWMP.

On a more local level, the Clavey River Watershed Assessment/Clavey Watershed Action Plan (CRWA/CWAP) and the Twomile Fuel Reduction and Forest Restoration Project are specific to the Clavey Watershed, a sub-watershed of the Tuolumne Watershed. The CRWA/CWAP are stakeholder-led processes, and though they occur outside of official Forest Service planning processes, they have significant cooperation of the Stanislaus National Forest. Conversely, the Twomile Planning Process is an official STF planning process and stakeholders contribute during specific public comment phases.

The four specific degraded meadows (Wolfen Meadow Main, Wolfen Meadow North, Upper Fahey Meadow South, and Lower Fahey Meadow South), for which we request funds to complete the pre-project due diligence, were identified as priority restoration sites by the CRWA/CWAP. Additionally, the Stanislaus National Forest (STF) has identified these meadows as priority restoration sites as part of the Twomile Fuel Reduction and Forest Restoration Project (Twomile). The restoration of these four meadows will advance the objectives of the Clavey River Watershed Assessment, Clavey Watershed Action Plan, and the Twomile Project.

Workplan and Schedule

DETAILED PROJECT DELIVERABLES	TIMELINE (assumes May 3 start date)
Project Development and Planning	May–June 2011
Literature and Data Collection	May–June 2011
Season 1 Meadow Monitoring	May–Oct 2011
Wetland Delineation Completed	August 2011
Meadow Review Field Work	May–Oct 2011
Six-Month Progress Report Due	November 2011
Review of Relevant Literature and Data	December 2011–March 2012
Six-Month Progress Report Due	May 2012
Field Surveys for Specific Meadows	May–Oct 2012
Season 2 Meadow Monitoring	May–Oct 2012
Hydrologic Surveys and Project Design	May–Oct 2012
Biological and Cultural Resource Assessments/Reports	May–Oct 2012
Meadow Review Field Work	May–Oct 2012
Six-Month Progress Report Due	November 2012
NEPA/CEQA Public Draft Documents Completed	December 2012–January 2013
Draft Restoration Design	December 2012
NEPA/CEQA Decision	April 2013
Season 3 Meadow Monitoring	May–Oct 2013
Six-Month Progress Report Due	May 2013
Final Meadow Restoration Designs	May 2013
RWQCB and ACOE Permit Applications	May 2013
RWQCB and ACOE Permit Approvals	October 2013
Six-Month Progress Report Due	November 2013
Draft Meadow Memorandum	December 2013
Final Meadow Memorandum	February 2014
Evaluation of Performance Measures	January–March 2014
Integration with IRWMP	Ongoing through May 2014
Final Report Due and Project Completion	May 2014
Project Implementation (<u>not included in the proposal</u>)	2014–2015

Since this project is not an implementation project, but rather is a planning project, the supply of material will not affect the schedule. The primary factor that affects the schedule is weather; most of the meadows involved in the project are located at higher elevations and are accessible only during late spring through early autumn.

A second factor that could affect the schedule is the speed with which we are able to hire a Program Associate, who would undertake much of the field work and information gathering. However, we anticipate that we will have ample time to secure this person early in the spring of 2011, prior to the beginning of the project, so that this will not affect the schedule.

Budget

Task	Total Project Budget	Sierra Nevada Conservancy (proposed)	National Fish and Wildlife Foundation (Proposed)	Volunteer (in-kind)	Stanislaus National Forest (in-kind, committed)
Project Management	31,751	14,807	16,944		
Meadow monitoring and assessment	104,633	49,395	34,118	15,120	6,000
NEPA and related surveys, Design and Permitting	45,600	16,000	16,000		13,600
CEQA Compliance and Documentation	14,600	7,300	7,300		
Wetland Delineation and Permitting	7,800	3,900	3,900		
IRWMP Meadow recon work	63,813	35,045	19,768		9,000
Performance Measures Reporting	4,993	4,993			
Administrative Costs (15% of TRT's costs)	19,716	19,716			
Total Expense	292,906	151,156	98,030	15,120	28,600

(a) Stanislaus National Forest funding is committed and available immediately for those portions that are funded fully or in part by the STF.

We have submitted a Pre-Proposal to the National Fish and Wildlife Foundation for funding for the project. NFWF will notify applicants if they have been invited to submit a full proposal on November 1, 2010, and will announce the successful proposals on March 31, 2011.

Volunteers will be used to undertake pre-restoration monitoring. We estimated 8 volunteers contributing a total of 1008 hours of time over the three year monitoring period at a value of \$15/hr.

We continue to research and apply to other funding programs, including private foundations, to fund the project. Additionally, TRT membership income may be applied to the project.

(b) We are not seeking SNC grant funds as a match against other state generated funds. However, it is worth noting that the Tuolumne-Stanislaus IRWMP collaborative is submitting a grant proposal to the California Department of Water Resources to develop an IRWMP. This project will contribute towards achieving the goals of the IRWMP process. The collaborative anticipates a \$300,000-\$500,000 grant request to develop the plan.

(c) The project is cost effective because it will utilize staff and other resources of the Forest Service. By developing the project in-concert with the "Twomile" project, the Forest Service will be able to take advantage of other ongoing field work and planning efforts, thus reducing the amount of time needed to develop the information for the planning and permitting of these restoration efforts.

Status of Agreements and Land Tenure

(a) See the attached letter confirming the partnership from the Stanislaus National Forest under the Demonstrations of Support section.

(b) As indicated in the same letter, the land is owned and managed by the Stanislaus National Forest.

B. Land and Water Benefits

1. This project will directly lead to the implementation of future restoration projects because it will a) complete all of the pre-project environmental review and design work on four specific meadows and b) it will identify additional high priority meadow restoration projects that will be included in the Tuolumne-Stanislaus IRWMP, which will further expand the number of funding sources for implementation of the projects. The project will contribute to the restoration of watersheds by the restoration of specific meadows within the watersheds.

The project will contribute long-term benefits to water supply, water quality, wildlife, and livestock forage. By stabilizing erosion features, including stream banks and headcuts, and restoring creeks within the meadows, water velocities will decrease allowing for greater groundwater infiltration. This will contribute to raising groundwater levels, thus providing water to the plant community through longer periods of the summer and increasing growth rates of grasses and other meadow plants. Water quality will be increased by a lower contribution of sediment from eroded banks, while water temperature will decrease due to improved shade and groundwater infiltration.

We do not anticipate any significant adverse impacts as a result of this project, but we will avoid adverse impacts by working carefully with the STF and the public through the NEPA/CEQA review phase to identify any potential impacts and create a plan to mitigate those impacts.

We have selected the four performance measures that are common to all grants (number of people reached; dollar value of resources leveraged for the Sierra Nevada; number and type of jobs created; number of new, improved, or preserved economic activities) and two performance measures specific to pre-project planning (number of collaboratively developed plans and assessments; and percent of pre-project and planning efforts resulting in project implementation). These performance measures will be used to track progress toward project goals and desired outcomes. They will provide a means of reliably measuring and reporting the outcomes and effectiveness of the project and how it contributes to SNC achieving its programmatic goals.

Additionally, as described in this proposal, we will undertake pre-restoration monitoring on the four meadows, including monitoring such elements as groundwater level, streamflow, temperature, and turbidity to establish baseline conditions within the meadows. This information can then be compared to post-project conditions in the subsequent phase of the project. This information will be invaluable in evaluating project effectiveness.

2. Project in the Context of the Surrounding Watershed and Land Uses

Description of the Upper Tuolumne and Stanislaus Watersheds: The project area is identical to the Upper Tuolumne-Stanislaus IRWMP, which consists of 2,712 square miles on the west slope of the Sierra

Nevada, arising at over 13,000 feet along the crest of the range to around 1,000 feet through the foothills. The project area includes all major vegetation types in the Sierra Nevada, represents the principal recreation and tourism corridor of the central Sierra Nevada, contains substantial hydroelectric power generation, and is complemented by a wide band of land managed as wilderness or near-natural along the crest of the Sierra. The majority of the land (75%) is owned by the federal government through the Stanislaus National Forest, Yosemite National Park, and the Bureau of Land Management. The two major drainages are the Tuolumne and Stanislaus Rivers and their tributary streams, which have been heavily developed with water supply, delivery, and hydropower infrastructure.

The lands of the region are heavily forested but the mountain meadows are key habitats for many animal species because they provide water and shade availability during the three to six month dry season, and promote lower summer stream temperatures, higher plant productivity, increased insect prey availability, and special vegetation structures, such as willow thickets. Moreover, these ecologically rich oases often occur along riparian corridors, linking meadow to meadow and creating movement pathways across the broader landscape. The health and connectivity of these ecological corridors are critical for maintaining genetic diversity within species since these corridors facilitate breeding among distant populations and because they enable animals (and, usually more slowly, plants) to find new areas to inhabit. In the face of climate change and growing development pressures, these corridors will be lifelines for wildlife.

The 100,370-acre Clavey River Watershed is located in Tuolumne County, northwest of Yosemite National Park, and within the boundaries of the Stanislaus National Forest. The north-south trending Clavey River originates as Lily and Bell Creeks in the Emigrant Wilderness and travels 47 miles to its confluence with the Tuolumne River. The Clavey River exhibits the following exemplary characteristics:

- Remains one of the few remaining free-flowing streams in the Sierra Nevada
- Runs from 9,200 feet in elevation at its headwaters to 1,200 feet at its confluence with the Tuolumne
- Traverses four of the five western Sierra Nevada life zones (sub-alpine, upper montane, lower montane, and foothill)
- Contains the largest stand of quaking aspen in southern Sierra (125 acres at Bell Meadow),
- Is protected as a Wild Trout Stream and recommended for Wild and Scenic River designation,
- Includes a portion of the historic Emigrant Trail
- Contains thousands of acres of mature (late seral) forest that are home to spotted owls and other special-status species
- Offers extraordinary recreational opportunities, from relative remoteness and solitude to active hiking, fishing, swimming, and other activities

Description of Meadows and Existing Conditions: Over-grazing in the late 1800s through 1930s and road-building, mining, logging, urbanization, and catastrophic wildfire over the last 150 years have resulted in widespread deterioration of meadows in the Sierra Nevada. Meadows are also susceptible to effects of climate change. Changes to the meadows attributed to these cumulative watershed impacts include gullying, desiccation, shrub encroachment, and changes in plant species composition and diversity. Today conditions and grazing use patterns in many meadows are improving; however, channel incision from heavy historical use has altered many meadows by dramatically lowering streambeds and

groundwater tables. These changes in meadow hydrology will not repair themselves. Between 130,000 and 200,000 acres (40–60%) of meadows may be impacted by such degradation.

Clavey Watershed Meadows: The Lower Fahey Meadow South is part of an unnamed intermittent tributary of Hull Creek. The meadow is located approximately 0.2 miles west of Hull Creek. The existing condition of this meadow includes alteration of the channel morphology, severely eroded banks, and deep headcuts, which extend through approximately 1,200 feet of stream channel. As a result, the meadow's hydrologic function has been altered, resulting in a depressed water table, particularly in the lower part of the meadow. Restoration treatments will stabilize the banks and headcuts, resulting in improved infiltration, improved water quality, and ultimately improved plant vigor and a likely shift to more desirable plant species composition.

The Upper Fahey Meadow South is located in the same stream drainage as the Lower Fahey Meadow South. The meadow is generally in a good condition however, the meadow has been inundated in its upper end by a partially breached dam. This dam needs to be evaluated because its potential failure threatens the health of the meadow. Evaluation will determine whether the dam should be repaired or removed.

Wolfin Meadow North is located on the right bank side of an unnamed intermittent tributary of Reed Creek. The meadow is located at the headwaters of this intermittent stream located west of Reed Creek. A Meadow Hydrology Rapid Assessment was conducted in June 2005 as part of the Clavey River Watershed Assessment, which found that the main stream channel at the bottom of the meadow is incised and widened over a distance of 500 feet to a width of 30–40 feet and a depth of 10–15 feet. The streambank stability was found to have about 60% stable bank, 30% unstable, and 10% vulnerable bank. The soil hydrologic function in the meadow was found to be altered with 25–50% of compacted soil, resulting in an alteration of the water table of approximately 80%. In addition to the incised main channel, five headcuts were found in the lower end of the meadow. These gully headcuts drain into the main channel and are 40-100 feet long, 3 feet deep, and 6–8 feet wide. The summary rating for this meadow was catalogued as a very poor hydrologic condition. Treatments will include stabilizing the banks and headcuts and reintroducing native vegetation.

Wolfin Meadow Main is located approximately 1,900 feet southwest of Wolfin Meadow North. Wolfin Meadow Main drains into a small ephemeral drainage, which then drains into the same unnamed intermittent stream as Wolfin Meadow North. A Meadow Hydrology Rapid Assessment was performed for this meadow as well. It was found that the meadow is close to desired condition other than 2 small headcuts and an undercut portion of the main stream channel. The main channel is a swale located on the northern 1/3 of meadow running west to east. This channel has undercut for a length of approximately 50 feet, 10 feet deep, and 5 feet wide. The 2 headcuts in the main channel are near the slope break in meadow. Both headcuts are approximately 50 feet long, 3 feet deep, and 5 feet wide. The water table was found to be at surface in approximately 75% of meadow with a minor alteration caused by pedestaling. Although advancement of the headcuts is relatively slow, they remain a threat to the meadow. Treatments would stabilize the headcuts to retain or restore the timing, variability, and duration of the meadow water table elevation.

Land and water benefits and impacts to the broader watershed

Mountain meadows play a key role in effecting watershed conditions and water flow in the Sierra Nevada. Restoration of degraded meadows is a first step in improving overall watershed function and could have major effects on surface and subsurface flow regimes influencing water delivery downstream, far removed from source watersheds. Healthy meadows harbor great diversity of flora and fauna and provide water quality and water supply benefits. Restoration will:

- Reduce erosion of soils and streambanks while simultaneously reducing sedimentation within channel
- Improve water quality
- Moderate flows by storing water in soils, vegetation, streambanks, and subsurface aquifers, thus reducing peak flood flows and extending late season flow
- Provide a richer habitat for native fauna
- Improve the cover of native vegetation while reducing incidence of non-native weeds

The Meadow Restoration project would improve meadow function by restoring stream channels to natural elevations, thus restoring the water table to near the meadow surface. Eroded banks and headcuts would be stabilized. Treatments would also involve revegetation with native plant species. These treatments are urgently needed, as the Tuolumne and Stanislaus Watersheds, like much of the Sierra Nevada, has lost a significant percentage of its original meadow habitat due to conifer encroachment and erosion. In addition to providing crucial habitat for threatened and endangered species like the Willow Fly Catcher and Mountain Yellow Legged Frog, meadows with good hydrologic function provide tremendous water storage, flood attenuation, and carbon storage benefits.

3. Climate change is predicted to impact the Sierra Nevada by increasing winter temperatures, increasing snow/rain transition elevations, shifting to a seasonally earlier spring snowmelt runoff period, and thus creating longer, drier summers. The shift in the snowmelt runoff period is anticipated to create ‘flashier’ runoff events, greater flood risk, less snowpack storage, and less groundwater storage.

By restoring meadows, we are increasing the ability of these meadows to slow water flows, increase groundwater infiltration and storage, and increase and prolong summer baseflows in the associated streams, thus providing more surface water when it is needed most—during the dry summer months.

Additionally, we anticipate that improvements to these meadows will expand wildlife habitat for several key sensitive species, including Great Gray Owl and Willow Flycatcher. These species rely on riparian/meadow habitat for foraging and breeding, thus restored meadows will improve conditions for these species.

C. SNC Program Goals

1. The meadow restoration projects will primarily address the following SNC goals:

- Goal (b). The project will conserve and restore the region’s physical, cultural, and living resources. Streambanks and headcuts will be stabilized thus promoting healthier stream function, improving meadow hydrology, and water quality. Native vegetation will be planted, thus improving living resources. The project also may potentially restore historical cultural uses of the central Sierra by incorporating culturally important plants to the Central Sierra Me-wuk. These meadows have been an important resource for the native Central Sierra Me-Wuk dating

back 5,000 years. The Me-Wuk spent the summers in the high elevations, and meadows played an important role in sustaining the wildlife and plant species that were critical for their survival. The Me-Wuk continue to utilize these areas for collection of plants utilized for medicine and craft.

Because this is a planning project, we will not realize these benefits during this phase of the project; however, during the subsequent phase, we expect to see quantifiable results, including an increase in groundwater levels, longer duration baseflow later in the summer season, reduced turbidity, reduced water temperatures, and improved growth and vigor of associated vegetation. Also, we may see increased use by wildlife species. Pre-restoration monitoring that we will undertake during this phase will help us establish these results. Additionally, during the implementation phase, we will use several performance measures, including linear feet of streambank restored, acres of land restored and improved, and acre-feet per annum of streamflow improved. These monitoring elements and performance measures will establish clear, quantifiable, and tangible benefits.

- Goal (e). The project will improve water quality. The meadows all have been degraded and impacted by runoff from adjacent roads and poor vegetation management. By reducing erosion and sedimentation, turbidity will be reduced. Additionally, by improving riparian vegetation, we will create a better buffer along the streams which will act to filter runoff before it enters the stream. The meadows feed to tributary streams of the Tuolumne and Stanislaus Watersheds. This portion of the Tuolumne River watershed provides water that is utilized by downstream residents and businesses in Tuolumne, Calaveras, Stanislaus, and San Joaquin Counties. Improvements and sustaining water quality is also critical for the Threatened steelhead trout and declining population of Chinook salmon in the lower Tuolumne and Stanislaus Rivers.

As with the previous goal, the results of this goal will not be realized during this planning phase of the project. However, we will implement pre-project monitoring to establish baseline conditions of turbidity using a turbidity meter. We will then be able to measure post-restoration turbidity and determine the mass of sediments reduced per year, as described in the SNC performance measures.

D. Cooperation and Community Support

1. We have received letters of support for the project from the following organizations:
 - Stanislaus National Forest
 - Tuolumne Utilities District
 - Central Sierra Environmental Resource Center
 - Tuolumne Me-Wuk Tribal Council
2. The Tuolumne-Stanislaus IRWMP is a significant collaborative effort to identify priority projects for managing water resources and water quality while integrating ecosystem restoration, among other issues. The importance of this effort is evidenced by the number of participating organizations (21), including all of the major water purveyors in the region, the two counties (Tuolumne and Calaveras), the largest cities in those two counties, the Stanislaus National Forest, California Department of Fish and

Game, and a number of non-governmental organizations representing environmental and agricultural interests. Through the expected water supply, water quality, and habitat benefits described earlier in the proposal, we will advance the efforts of this group to achieve its overall objectives.

3. We will include stakeholders in this process through two primary avenues: 1) through the monthly IRWMP meetings and 2) through the NEPA/CEQA review process.

The monthly IRWMP meetings, which are focused on developing the IRWM plan, will provide the best opportunity to keep stakeholders informed and involved in the meadow restoration projects. While the meetings are open to the general public, they also bring together most of the local land, wildlife, and water, and resource agencies with jurisdiction in the region, and by the nature of IRWMPs, ecosystem restoration is an important objective of the collaborative.

Both NEPA and CEQA environmental review processes require an opportunity for review and comment by the general public. As the project progresses, the Tuolumne River Trust, as project manager, will ensure that the public notification for review of these environmental documents is expanded beyond the basic requirements of NEPA/CEQA by notifying our email and mailing list, at a minimum.

4. There is no known opposition to the project.

5. As described above, the project is a component of the Tuolumne-Stanislaus IRWMP, and thus it will be thoroughly coordinated with the development of that plan. Through that planning process, the meadow restoration projects will also be other local resources plans, including water management plans, forest management plans, wildlife management plans, county general plans, and others.

Also, the four specific meadow restoration projects have been identified as a high priority by two separate earlier planning efforts. The Clavey River Watershed Assessment/Clavey Watershed Action Plan is a local stakeholder-led effort to develop a watershed plan for the Clavey Watershed. The STF's Twomile Fuel Reduction and Forest Restoration Project is a planning effort that covers a portion of the Clavey Watershed.

6. The Tuolumne River Trust will engage the local community and media throughout the planning and implementation of the meadow restoration efforts. The local conservation community will be directly involved in the public review process and in recruiting volunteers for on-the-ground restoration work. The Tuolumne River Trust provides slideshows and educational presentations to community groups, the local community college, and high schools. The Trust leads outings and sponsors other events throughout the Clavey River and Tuolumne Watershed and will be able to highlight this restoration work as a successful collaborative project. These public events will provide us the opportunity to highlight the important work that is being completed in the Clavey River Watershed. With three program areas and offices in Sonoma, Modesto, and San Francisco, we are in a unique position to share this Sierra Nevada Conservancy success story. Throughout all of our work, we strive to maintain open communications with elected and agency officials within the region and state by meeting with them directly to provide updates on our progress and the benefits of the project. Additionally, the Trust regularly presents its work at various conferences throughout the State, which has proven to be an effective strategy for updating colleagues and other conservation organizations.

E. Project Management

The Tuolumne River Trust will act as the fiscal agent and project manager of the project. The Trust will also oversee the CEQA compliance and wetland delineation. The Trust has a proven record of managing complex projects, including planning and habitat restoration implementation, CEQA compliance, education, coalition building, land transactions, and watershed assessment. The Trust was founded in 1981, has a 15-member board of directors, and a staff of 11, and a core annual budget of just under \$1 million. Working with our partners, we have managed and coordinated the Clavey River Ecosystem Project process to produce the Clavey River Watershed Assessment the CWC process to develop the Clavey Watershed Action Plan. In Stanislaus County along the lower Tuolumne River, we raised funds and coordinated the purchase of 240 acres of land to create the Big Bend Floodplain and Riparian Restoration Project on the Tuolumne River. Subsequent to the land purchases, we managed the restoration planning and design, permitting, CEQA review, monitoring, and implementation of the project.

We will call upon our established contacts to implement the meadow restoration project. Contacts include a variety of Federal, State, and local agencies, private partners, and a team of biological, engineering, and planning consultants that we have worked with in the past.

Key Trust Staff:

Patrick Koepele, Deputy Executive Director. Patrick will provide oversight and supervision for the project. Patrick has worked at the Trust since July of 2000. He served as our Central Valley Program Director from 2000 to early 2008 when he took on the new role of Deputy Executive Director. In his time with the Trust, he has managed the planning, implementation, and monitoring of large-scale river restoration projects, coordinated collaborative stakeholder processes, negotiated and managed land acquisitions, and managed staff and budgets in excess of \$2M. Prior to joining the Trust, Patrick worked as a Water Resources and Restoration Planner with the U.S. Army Corps of Engineers, where he acquired deep knowledge of restoration issues and activities throughout California. Patrick has a Masters of Science in Geology from the University of California at Davis and a Bachelor's in Geology from Colgate University.

Eric Wesselman, Executive Director. Eric joined the Tuolumne Trust in January of 2006. Raised in rural Oregon, Eric has been engaged in California water issues since 2001, with an emphasis on urban water conservation. Prior to joining the Trust, Eric served as the Sierra Club's Regional Representative. He was also the Convener for the California Urban Water Conservation Council and a member of the Water Use Efficiency Public Advisory Subcommittee for CALFED. Eric holds a M.S. in Environmental Science from The Johns Hopkins University, a B.S. in Conservation and Natural Resource Studies from the University of California at Berkeley, and has specialized training in grassroots organizing from the Green Corp Field School for Environmental Organizing and the Midwest Academy.

Chris Daniels, Fiscal and Administrative Director. Chris will provide financial tracking and reporting, as well as, general administrative support to the project. He has over ten years of experience in non-profit administration and financial management, the last two with the Trust.

Additionally, we will be hiring a Program Associate to lead the overall effort for the Trust. This individual will be responsible for overall project coordination and management; researching, reviewing, and

analyzing literature and data; assisting in the design and implementation of pre-project monitoring; and assisting in the design of the meadow restoration treatments.

The Stanislaus National Forest is our project partner and will be responsible for completing NEPA compliance and associated surveys and documentation, design, pre-project monitoring, and permitting. The STF has a broad and deep base of experience to draw upon to complete these technical tasks.

Detailed Budget Form					
State of California - Sierra Nevada Conservancy					
APPLICANT NAME: Tuolumne River Preservation Trust					
SNC REF #:					
PROJECT TITLE: Upper Tuolumne-Stanislaus Watersheds Meadow Restoration					
PROJECT TYPE (choose one):					
<input type="checkbox"/> ACQUISITION <input type="checkbox"/> SITE IMPROVEMENT <input type="checkbox"/> RESTORATION <input checked="" type="checkbox"/> PRE PROJECT PLANNING					
SECTION ONE DIRECT COSTS	QTY	UNIT*	UNIT COST	SUBTOTAL	SNC Grant Request
Staff/Personnel Expense - Project Related Wages/Benefits					
Deputy Director	574	hr	\$39.51	\$22,678.74	
Sonora Area Program Associate	2,058	hr	\$22.35	\$45,996.30	
TOTAL:					\$68,675.04
Travel/Meeting Expense - Project Related					
	4,800	mi.	\$0.50	\$2,400.00	
TOTAL:					\$2,400.00
Contracts/Consultants - Project Related					
Monitoring & Assesment (STF)				\$10,050.00	
Surveys & Design NEPA				\$16,000.00	
Compliance & Documentation (CEQA)				\$7,300.00	
Wetland Delineation				\$3,900.00	
TOTAL:					\$37,250.00
Materials/Supplies - Project Related					
Related Supplies				\$3,600.00	
TOTAL:					\$3,600.00
Equipment Use Expenses - Project Related Rental/Insurance/Maintenance/Fuel					
	0		\$0.00		\$0
TOTAL:				\$0.00	\$0.00
Equipment Leases/Purchases - Project Dependent					
Monitoring & Assesment Equip.	0		\$0.00	\$4,300	
TOTAL:					\$4,300.00
Fees - Appraisal/Permits/CEQA/Easement					

Permits and Other Related Fees	0			\$1,131.00	
TOTAL:					\$1,131.00
DIRECT COSTS SUBTOTAL:					\$117,356.04

SECTION TWO INDIRECT COSTS	QTY	UNIT*	UNIT COST	SUBTOTAL	SNC Grant Request
Staff/Personnel Expense - Wages/Benefits/Consultants/Contract Labor					
Executive Director	94	hr	\$43.52	\$4,090.88	
Finance & Administration Director	94	hr	28.84	\$2,710.96	
TOTAL:					\$6,801.84
Printed Materials - Project related Publications/Communications/Public Outreach					
Printing, Postage, Communications	0		\$0.00	\$2,289	
TOTAL:					\$2,289.00
Outreach/Education - Trainers fees/ facilitators/Facility Expense					
	0		\$0.00	\$0.00	
TOTAL:				\$0.00	\$0.00
Equipment Use Expenses - Insurance/Registrations/Maintenance/Rental					
	0		\$0.00		
TOTAL:				\$0.00	\$0.00
Performance Measure reporting					
Deputy Director	50	hrs	\$39.51	\$1,975.50	
Sonora Area Program Associate	135	hrs	\$22.35	\$3,017.25	
TOTAL:					\$4,992.75
INDIRECT COSTS SUBTOTAL:					\$14,083.59
PROJECT TOTAL:					\$131,439.63

SECTION THREE**Administrative Costs (Description - Not to exceed 15% of Project Total):**

Overhead and General Administration	1		15%	\$0.00	\$19,715.94
ADMINISTRATIVE TOTAL:				\$0.00	\$19,715.94
SNC TOTAL GRANT REQUEST:				\$0.00	\$151,155.57

*Unit: Enter the appropriate unit of measure (e.g., hours = hrs., months = mos., each = ea., feet = ft., miles = mi., miscellaneous = misc., package = pkg.)

Project Budget Details					
State of California - Sierra Nevada Conservancy					
APPLICANT NAME: Tuolumne River Preservation Trust					
SNC REF #:					
PROJECT TITLE: Upper Tuolumne-Stanislus Watersheds Meadow Restoration					
PROJECT TYPE (choose one):					
<input type="checkbox"/> ACQUISITION <input type="checkbox"/> SITE IMPROVEMENT <input type="checkbox"/> RESTORATION <input checked="" type="checkbox"/> PRE PROJECT PLANNING					
SECTION FOUR					
OTHER PROJECT CONTRIBUTIONS	QTY	UNIT*	UNIT COST	Contribution	Status**
List other funding or in-kind contributors to project					
(i.e. Sierra Business Council, Department of Water Resources, etc.)					
National Fish and Wildlife Foundation				\$98,030.00	Pending
Stanislus National Forest (In Kind)				\$28,600.00	Confirmed
Monitoring Volunteers	1008	hr.	\$15	\$15,120.00	Pending
				\$0.00	
				\$0.00	
				\$0.00	
				\$0.00	
				\$0.00	
Total Other Contributions:				\$141,750.00	

Performance Measures

We propose to use the following Performance Measures to track the progress of this project:

1. Number of People Reached

While this phase of the project is for pre-restoration planning, there is also a public comment phase of the project during the NEPA & CEQA review. We would like to take these opportunities to increase the general knowledge of the importance of meadows within the broader Sierra Nevada ecosystem. We also intend to recruit volunteers to assist with pre-project monitoring, where appropriate, and so we would like to measure our success in this endeavor.

Additionally, it will be important for us to reach out to many of the local water managing agencies, land use agencies, cities, and other organizations during the Integrated Regional Water Management Plan (IRWMP) process so that we can effectively integrate the information generated during this project into the Tuolumne-Stanislaus IRWMP.

2. Dollar Value of Resources Leveraged for the Sierra Nevada

Matching funds and in-kind services are essential to making this a successful project. We have applied for funding through the National Fish and Wildlife Foundation for this project. Also, the Stanislaus National Forest (STF) funding and in-kind services will be a critical element in the overall funding strategy. Finally, volunteer assistance will enable us to cost-effectively complete pre-project monitoring.

3. Number and Type of Jobs Created

The project will provide funding to the Tuolumne River Trust, the Stanislaus National Forest, and consultants to the Trust. Funding will therefore contribute towards numerous jobs at these various organizations.

4. Number of New, Improved, or Preserved Economic Activities

During this phase of the project, the Forest Service will move forward in the design and documentation necessary to improve the four specific meadows. This project will increase the economic viability of the environmental and conservation job sectors in the local and regional area by employing scientists, environmental managers, and non-profits. This will stimulate the Forest and Environmental Management Sector by increasing habitat restoration activities in the Stanislaus National Forest. Additionally, recreational tourism is a significant contributor to Tuolumne County and the regional economy. By restoring and enhancing these meadows, the

project will help to attract visitors that enjoy hunting, fishing, camping, hiking, bird watching, and nature photography.

17. Number of Collaboratively Developed Plans and Assessments

We anticipate developing site-specific plans of four meadows in collaboration with the Stanislaus National Forest. Additionally, our watershed-wide meadow assessment will be incorporated into the Tuolumne-Stanislaus IRWMP.

18. Percent of Pre-project and Planning Efforts Resulting in Project Implementation

Following completion of the “Pre-Project Due Diligence,” the Tuolumne River Trust will continue to work closely with the Forest Service, the Tuolumne-Stanislaus IRWMP, volunteers, and others to ensure timely implementation of the restoration activities. The Tuolumne River Trust will report to the Sierra Nevada Conservancy updates on project implementation. The following activities will follow completion of this phase of the project to ensure successful implementation:

1. The Tuolumne River Trust will work with the Forest Service, other State and Federal resource agencies, and other organizations to identify future funding for implementation of the restoration projects.
2. The Tuolumne River Trust will actively recruit volunteers to assist the Forest Service in meadow restoration activities, such as tree planting, small conifer and weed removal, and fencing.

Environmental Setting and Impact

The project area is identical to the Upper Tuolumne-Stanislaus Integrated Regional Water Management Plan IRWMP, which consists of 2,712 square miles on the west slope of the Sierra Nevada, arising at over 13,000 feet along the crest of the range to around 1,000 feet through the foothills. The project area includes all major vegetation types in the Sierra Nevada, represents the principal recreation and tourism corridors of the central Sierra Nevada, contains substantial hydroelectric power generation, and is complemented by a wide band of land managed as wilderness or near-natural along the crest of the Sierra. The majority of the land (75%) is owned by the federal government through the Stanislaus National Forest, Yosemite National Park, and the Bureau of Land Management. The two major drainages are the Tuolumne and Stanislaus Rivers and their tributary streams, which have been heavily developed with water supply, delivery, and hydropower infrastructure.

The lands of the region are heavily forested but the mountain meadows are key habitats for many animal species because they provide water and shade availability during the three to six month dry season and promote lower summer stream temperatures, higher plant productivity, increased insect prey availability, and special vegetation structures, such as willow thickets. Moreover, these ecologically rich oases often occur along riparian corridors, linking meadow to meadow and creating movement pathways across the broader landscape. The health and connectivity of these ecological corridors are critical for maintaining genetic diversity within species since these corridors facilitate breeding among distant populations and because they enable animals (and, usually more slowly, plants) to find new areas to inhabit. In the face of climate change and growing development pressures, these corridors will be lifelines for wildlife.

The four specific meadow restoration sites are located within the Clavey Watershed, a major tributary to the Tuolumne River. The 100,370-acre Clavey River Watershed is located in Tuolumne County, northwest of Yosemite National Park, and within the boundaries of the Stanislaus National Forest. The north-south trending Clavey River originates as Lily and Bell Creeks in the Emigrant Wilderness and travels 47 miles to its confluence with the Tuolumne River. The Clavey River exhibits the following exemplary characteristics:

- Remains one of the few free-flowing streams in the Sierra Nevada
- Runs from 9,200 feet in elevation at its headwaters to 1,200 feet at its confluence with the Tuolumne
- Traverses four of the five western Sierra Nevada life zones (sub-alpine, upper montane, lower montane, and foothill)
- Contains the largest stand of quaking aspen in southern Sierra (125 acres at Bell Meadow)
- Is protected as a Wild Trout Stream and recommended for Wild and Scenic River designation

- Is the single Critical Aquatic Refuge (management emphasis watersheds for the protection of aquatic values) in the Stanislaus National Forest. Includes a portion of the historic Emigrant Trail
- Contains thousands of acres of mature (late seral) forest that are home to spotted owls and other special-status species
- Offers extraordinary recreational opportunities, from relative remoteness and solitude to active hiking, fishing, swimming, and other activities

All four proposed restoration sites lie within a General Forest management area designation. The General Forest management area is managed for wood, water, fish and wildlife, recreation, and range. Primary forest communities surrounding the project area include mixed conifer-pine and ponderosa pine. Some montane riparian vegetation is found in and adjacent to portions of streams which bisect the wet meadows proposed for restoration. The primary vegetation cover within the meadows is herbaceous (annual grasses and forbs) with conifers in the surroundings.

Potential Environmental Impacts

The purpose of the phase of the meadow restoration project included in this grant proposal is to conduct the necessary background surveys, site assessments, and design to ensure that impacts to the environment are less than significant. Implementation of these restoration treatments will ultimately result in improved meadow function, water quality and wildlife habitat. Therefore, through this project, we will be identifying and analyzing the environmental setting and impacts more completely. Areas of potential impact that will be addressed during the pre-project due diligence NEPA/CEQA analysis include, but are not limited to, the following:

Plant Habitat/Botany

The project area is not considered suitable habitat for any federally listed plant species; however, suitable habitat for Forest Service sensitive plant species is present. Botany surveys for sensitive plants have been completed and none were found. Introduction and/or spread of non-native invasive plants are the primary botanical concern. Noxious weed surveys will need to be completed in order to prepare a noxious weeds risk assessment, and to identify any necessary mitigations.

Wildlife Habitat

There is suitable habitat, both within and adjacent to the project site and analysis area, for the Pacific fisher, a candidate special status species. There are no confirmed occurrences of this species in or near the project area; however, presence would be assumed for analysis purposes because suitable habitat is present. The project site also contains suitable habitat for the following sensitive species: Great gray owl, California spotted owl, northern goshawk, American marten, western red bat, pallid bat, and Townsend's big-eared bat. There are recent confirmed occurrences of California spotted owls and northern goshawks within the analysis areas. A great

gray owl was detected in the Fahey meadow area in the mid 1990's. There are no confirmed occurrences of American martens, western red bats, pallid bats or Townsend's big-eared bats; however, presence would be assumed for analysis purposes because suitable habitat is present.

The proposed restoration activities may disturb individuals during the implementation phase, and will likely have beneficial effects to many of these species post-treatment.

Cultural/Heritage Resources

The meadows considered for restoration activities contain or are in close proximity to known historic and pre-historic sites. Site surveys have been conducted; however, further site visits will be necessary to determine project effects and appropriate mitigations. CARIDAP (shovel-test) will most likely be required due to the ground disturbing nature of the restoration activities. Consultation and concurrence with the State Historic Preservation Office will also be necessary prior to implementation and will be included in this planning proposal.

Parcel Map showing County Assessor's Parcel Number(s)

Not Applicable as this project is on Stanislaus National Forest land and therefore has no AP number.

Parcel Map showing County Assessor's Parcel Number(s)

Not Applicable as this project is on Stanislaus National Forest land and therefore has no AP number.

Topographic Map

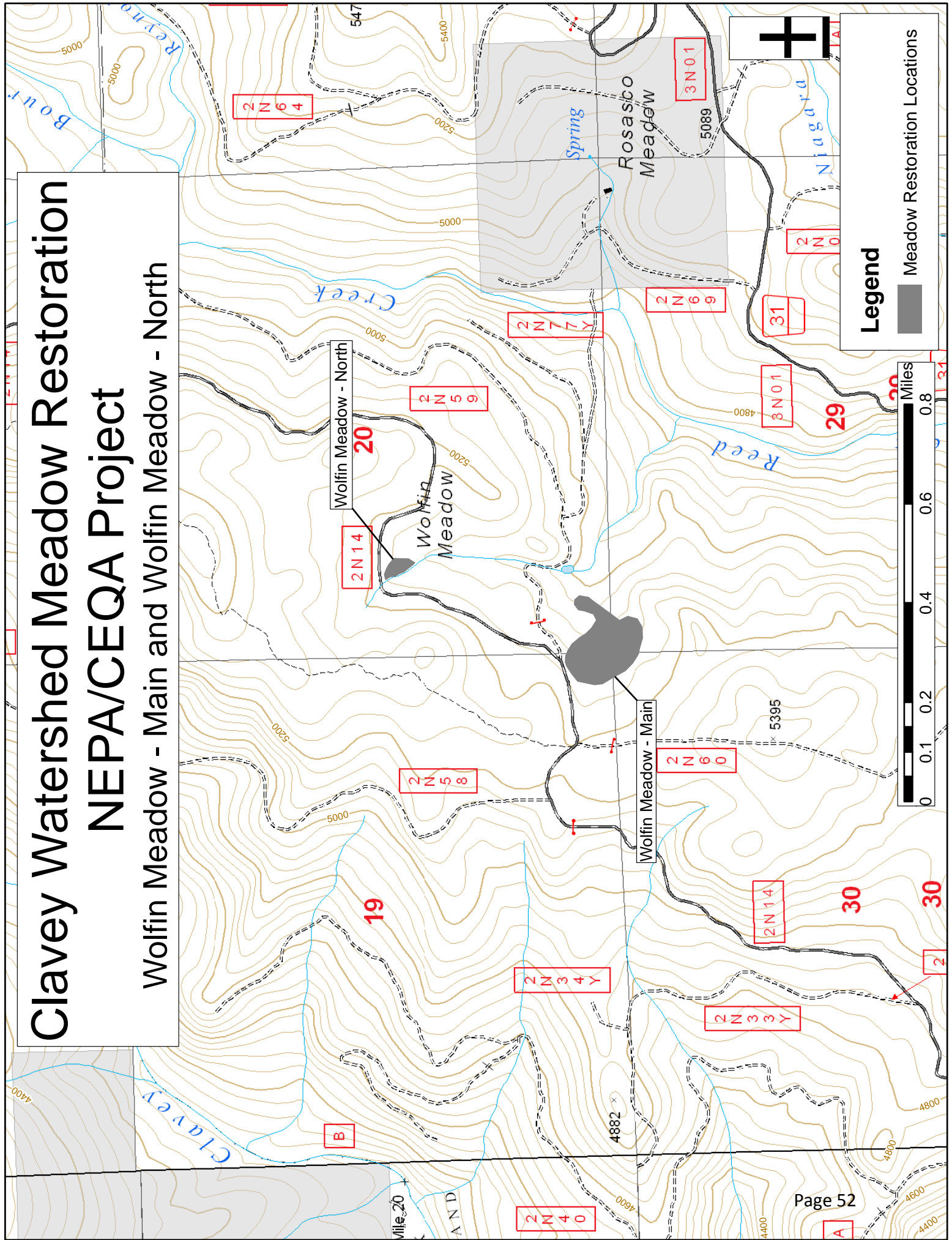
Topographic maps of the Fahey and Wolfin Meadows follow.

Upper Fahey Meadow - South and Lower Fahey Meadow



Clavey Watershed Meadow Restoration NEPA/CEQA Project

Wolfin Meadow - Main and Wolfin Meadow - North



Photos

Photos of Fahey and Wolfin Meadows follow:

9. Site Photos



Wolfin Meadow Complex

This extreme head cut has resulted in unstable banks and very poor hydrologic condition.



Fahey Meadow Complex

Alteration of the channel morphology and hydrologic function has resulted in a lowered water table and dry conditions.



Land Tenure

The project site is located entirely within the Stanislaus National Forest and the Stanislaus National Forest has the authority to undertake the meadow restoration work. Please refer to the attached letter of support from the Stanislaus National Forest for more information.

Leases or Agreements

Please refer to the attached letter from the Stanislaus National Forest in the Demonstrations of Support section of this grant proposal.

CEQA

The Tuolumne-Stanislaus Meadows Restoration Project will result in the completion of all requirements of the California Environmental Quality Act (CEQA). These documents will be provided to the Sierra Nevada Conservancy upon completion of the tasks described in this grant application.

NEPA

The Tuolumne-Stanislaus Meadows Restoration Project will result in the completion of all requirements of the National Environmental Policy Act (NEPA). These documents will be provided to the Sierra Nevada Conservancy upon completion of the tasks described in this grant application.

Regulatory Requirements/Permits

The following permits will be obtained prior to completion of this project:

- U.S. Army Corps of Engineers 404 Permit under Nationwide Permit 27: Stream and Wetland Restoration Activities. This permit will be obtained following completion of the CEQA/NEPA documents and prior to meadow restoration implementation.
- Regional Water Quality Control Board Section 401 Water Quality Certification. This permit will be obtained following completion of the CEQA/NEPA documents and prior to meadow restoration implementation.

Demonstrations of Support

Please see the attached letters of support from:

- The Stanislaus National Forest
- Tuolumne Utilities District
- Central Sierra Environmental Resource Center, and
- The Tuolumne Me-Wuk.



United States
Department of
Agriculture

Forest
Service

Stanislaus National Forest

19777 Greenley Road
Sonora, CA 95370
(209) 532-3671
FAX: (209) 533-1890
TTY/TDD: (209) 533-0765
<http://www.fs.fed.us/r5/stanislaus>

File Code: 2520-22500

Date: September 8, 2010

Patrick Koeple
Deputy Executive Director
Tuolumne River Trust
67 Linoberg Street, Suite B
Sonora, CA 95370

Dear Mr. Koeple:

To satisfy the requirement of your grant application to the Sierra Nevada Conservancy for a planning grant for meadow restoration in the Stanislaus National Forest, this letter confirms that the USDA Forest Service – Stanislaus National Forest agrees to partner with the Tuolumne River Trust to accomplish the goals in the grant application.

I understand that the Tuolumne River Trust will be the fiscal agent for the grant, as well as complete a wetland delineation of the project meadows, and will coordinate CEQA compliance. The Tuolumne River Trust will provide support for pre-project monitoring and for the data and literature review portion of the grant of meadows throughout the upper Tuolumne and Stanislaus watersheds.

The Stanislaus National Forest will, as an in-kind contribution, complete applicable resource surveys for NEPA compliance, provide restoration project and monitoring design, obtain necessary implementation permits, assist with the meadow data and literature review and provide volunteer oversight as needed.

The Stanislaus National Forest has the authority to undertake the work applied for insofar as it is entirely on national forest land.

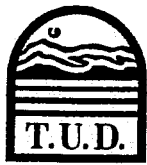
I look forward to working with the Tuolumne River Trust and the Sierra Nevada Conservancy to accomplish the goals of this project.

Sincerely,

SUSAN SKALSKI
Forest Supervisor

cc: James Frazier





TUOLUMNE UTILITIES DISTRICT

18885 NUGGET BLVD • SONORA, CA 95370
(209) 532-5536 • Fax (209) 536-6485
www.tudwater.com

DIRECTORS

Barbara Balen
Robert M. Behee
Joseph Day, PhD
Ralph Retherford, M.D.
Delbert Rotelli

September 7, 2010

Patrick Koepele
Deputy Executive Director
Tuolumne River Trust
67 Linoberg St
Sonora, CA 95370

Dear Mr. Koepele;

The Tuolumne Utilities District supports the Tuolumne River Trust in its efforts to obtain grant funding from the Sierra Nevada Conservancy for the restoration of Fahey and Wolfen Meadows and for conducting a background research and data review of meadow conditions throughout the upper Tuolumne and Stanislaus Watersheds.

The Tuolumne Utilities District is currently coordinating a collaborative effort to develop an Integrated Regional Water Management Plan (IRWMP) for the Tuolumne, Stanislaus and Little Johns Creek Watersheds. This process brings together a diverse group of water purveyors and managers. Participants also include environmental organizations, agricultural organizations, the United States Forest Service (Stanislaus National Forest), the U.S. Dept. of Interior (National Park Service, Yosemite National Park) the local Native American (Me – Wuk) tribe, Tuolumne and Calaveras county governments, as well as the two incorporated cities in the region (the city of Sonora and of Angels Camp). The purpose of the group is to develop a plan to best manage water resources to ensure adequate water supply, and water quality while restoring and improving environmental resources within the region and integrating flood management where feasible. The Tuolumne – Stanislaus IRWM Program was accepted by the California Dept. of Water Resources as an official IRWM Region through the Departments Regional Acceptance Process.


The Trust's efforts to review, catalogue, and analyze meadow conditions throughout the upper Tuolumne and Stanislaus Watersheds is a strong compliment to the IRWMP effort and will provide additional information and direction in our efforts to ensure that the plan ultimately considers and integrates all of the resource issues and concerns within the region.

The restoration of meadows within the upper Tuolumne and Stanislaus watersheds is essential to improve water quality, attenuate flood flows and protecting downstream resources as well as providing critical habitat for a number of plant and animal species. When restored from their degraded condition these meadows should also serve an important role in naturally increasing water storage within the watersheds.

These restoration treatments are recommended actions in the Clavey Watershed Assessment (the Clavey River is a tributary to the Tuolumne River) and necessary to meet desired ecological conditions in

the Watershed. Funding this project will allow the Tuolumne River Trust and the Stanislaus National Forest (both active participants in the IRWMP development) to move forward together to improve watershed health.

Sincerely,



Peter J. Kampa,
General Manager



Central Sierra Environmental Resource Center
Box 396 • Twain Harte, CA 95383 • (209) 586-7440 • FAX (209) 586-4986
Visit our website at: www.cserc.org or contact us at: johnb@cserc.org

February 19, 2009

Sierra Nevada Conservancy
11521 Blocker Drive, Suite 205
Auburn, CA 95603

To the Sierra Nevada Conservancy staff:

Please accept this letter of support from the Central Sierra Environmental Resource Center (CSERC) for proposal by the Tuolumne River Trust to gain grant funding for the restoration of Fahey and Wolfin Meadows within the Stanislaus National Forest. The complex of meadows generally referred to as Wolfin Meadow and the complex of meadows at Fahey Meadow are both areas that have suffered intensely from decades of over-grazing as well as a variety of other impacts. Logging equipment has compacted the soil, off-road-vehicles have added to the problems, and bulldozing and vegetation clearing treatments have altered natural drainage and exacerbated stream damage and headcuts.

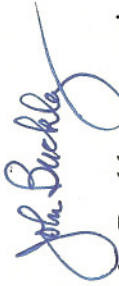
For many years, CSERC biologists have pressed the Forest Service to search for funding to help to restore and rehabilitate damaged meadows across the MiWok and Groveland Districts of the Stanislaus National Forest. Wolfin Meadow and Fahey Meadow are both in strong need of rehabilitation, which will not only result in watershed benefits, but in wildlife benefits, as well.

The restoration of meadows within the Clavey River watershed will improve water quality and help to store more water to be slowly released during the early weeks of the warm summer season. The restoration of meadows will all lead to scenic benefits for tourists as well as local users of the National Forest.

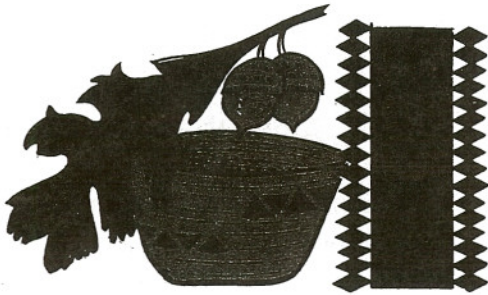
The proposed restoration work at Fahey and Wolfin Meadows is work that is recommended in the Clavey Watershed Assessment as necessary to meet desired ecological conditions in the watershed. Funding this project will aid the Tuolumne River Trust and the U.S. Forest Service in their collective efforts to partner together to improve

watershed health in the Clavey River ecosystem. The Clavey is unique, both because of its free-flowing condition and its assemblage of old growth conifer forests that benefit at-risk wildlife species. Improving meadow health is a long overdue management need that has been unfunded for far too long. It takes major funding to undertake large projects such as meadow restoration work due in part to the cost of heavy equipment and the skilled operators needed to alter the compacted, degraded landscape. Our Center recognizes that dollars are tight in the global economy at the moment, but investing in the future of the Clavey watershed would produce jobs in the short term and watershed benefiting for the long term.

Please accept this letter of support for the proposed grant request by the Tuolumne River Trust.



John Buckley, executive director



TUOLUMNE ME-WUK TRIBAL COUNCIL

Post Office Box 699

TUOLUMNE, CALIFORNIA 95379

Telephone (209) 928-5300

Fax (209) 928-1677

February 23, 2009

Sierra Nevada Conservancy
11521 Blocker Drive Suite 205
Auburn, CA 95603

To the Sierra Nevada Conservancy,

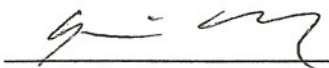
The Tuolumne Band of Me-Wuk Indians supports the Tuolumne River Trust in its efforts to obtain grant funding from the Sierra Nevada Conservancy for the restoration of Fahey and Wolfen meadows.

The restoration of meadows within the Clavey River Watershed is essential to improve water quality, and to provide important habitat for a number of plant and animal species. When restored these functioning meadows are also important for water storage.

These restoration treatments are recommended actions in the Clavey Watershed Assessment and necessary to meet desired ecological conditions in the Watershed. Funding this project will allow the Tuolumne River Trust and the US Forest Services to move forward together to improve watershed health.

The Clavey River Watershed is an important part of our cultural and spiritual way of life. Surrounding the Clavey are many native plants; including medicinal native plants for healing. Without preserving the Clavey River Watershed many native plants may be lost.

Sincerely,


Kevin A. Day, Tribal Chairman

Appendix D

Tuolumne-Stanislaus Integrated Regional Water Management Plan

Tuolumne-Stanislaus IRWMP

Watersheds

Cities

Counties

Water and Utility Districts

Groveland Community Services District

Twain Harte Community Services District

Tuolumne Utilities District

Union Public Utility District

Murphys Sanitary District

Calaveras County Water District

1

0

3

6

Miles

Stanislaus National Forest Watershed GIS sig

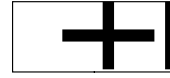
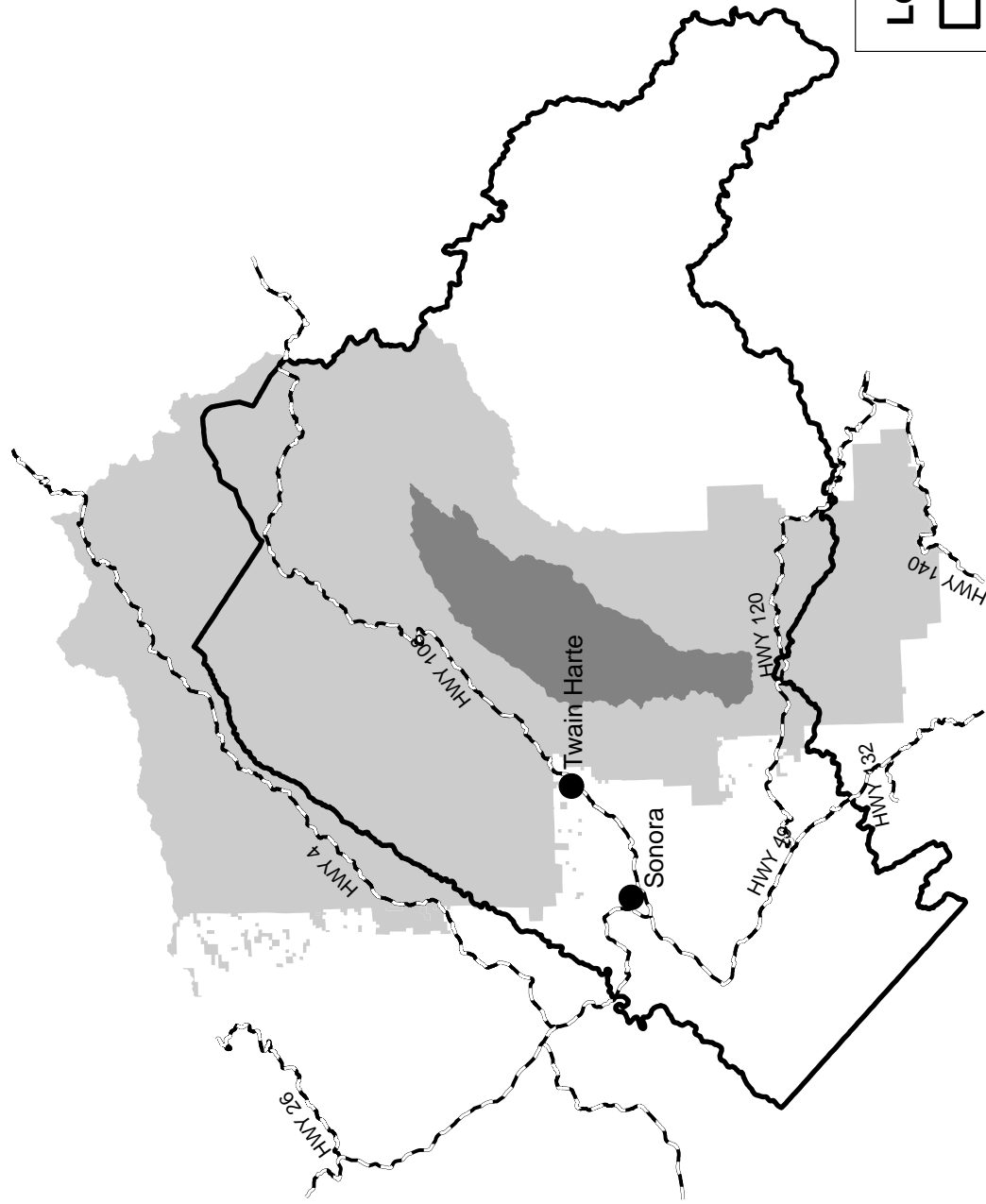
April 10, 2009

The map displays the Stanislaus and Tuolumne National Forest watersheds. The Stanislaus River watershed is outlined in white, and the Tuolumne River watershed is outlined in yellow. The map shows various geographical features including mountains, lakes, and towns. Key locations labeled include Alpine, Stanislaus, Tuolumne, and Yosemite National Park. The map also shows the boundaries of various counties and utility districts.

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Clavey Watershed Meadow Restoration NEPA/CEQA Project

Project Vicinity Map



Legend

- Tuolumne County
- Stanislaus National Forest
- Clavey River Watershed
- Highways



Clavey Watershed Meadow Restoration NEPA/CEQA Project

Project Area Map

